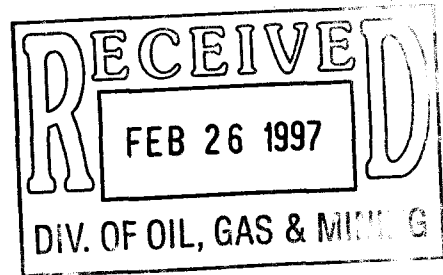


Petroglyph Operating Co., Inc.
P.O. Box 1839
Hutchinson, KS 67504-1839

February 17, 1997

Utah Division of Oil, Gas, & Mining
Attn: Mr. Frank Matthews, Petroleum Engineer
1594 West North Temple
Box 145801
Salt Lake City, UT 84114-5801



RE: APPLICATION FOR PERMIT TO DRILL
UTE TRIBAL #19-06
SE/NW SEC. 19, T5S, R3W
DUCHESNE COUNTY, UTAH
LEASE NO. BIA 14-20-H62-3514
UTE TRIBAL LANDS

Dear Mr. Matthews:

Enclosed please find a copy of the Application for Permit to Drill and associated attachments for the referenced well.

Please address further communication regarding this matter (including approval) to:

Ed Trotter
P.O. Box 1910
Vernal, UT 84078
Phone # (801) 789-4120
Fax # (801) 789-1420

Sincerely,

Ed Trotter
Agent

Petroglyph Operating Co., Inc.

Attachments

/EHT/dmt

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR DEEPEN

1a. TYPE OF WORK DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. 14-20-H62-3514
b. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME UTE INDIAN TRIBE
2. NAME OF OPERATOR PETROGLYPH OPERATING COMPANY, INC.		7. UNIT AGREEMENT NAME
3. ADDRESS AND TELEPHONE NO. P.O. BOX 607, ROOSEVELT, UTAH 84066		8. FARM OR LEASE NAME, WELL NO. UTE TRIBAL
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)* At surface 1980' FNL & 1980' FWL SE/NW At proposed prod. zone		9. API WELL NO. #19-06
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 19.2 MILES SOUTHWEST OF MYTON, UTAH		10. FIELD AND POOL, OR WILDCAT ANTELOPE CREEK
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 1980'	16. NO. OF ACRES IN LEASE 640	11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA SEC. 19, T5S, R3W
18. DISTANCE FROM PROPOSED* LOCATION TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.	19. PROPOSED DEPTH 5830'	12. COUNTY OR PARISH DUCHESNE
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 6055.0' GRADED GROUND	20. ROTARY OR CABLE TOOLS ROTARY	13. STATE UTAH
22. APPROX. DATE WORK WILL START* FEBRUARY 1997		

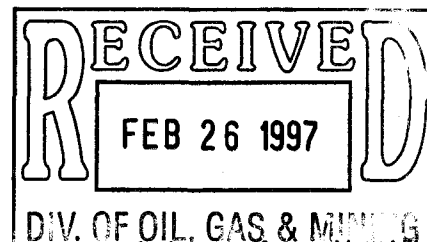
PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	GRADE SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/4	8 5/8	24.0#	250'	135 sx class "G" + 2% CaCl ₂ + 1/4 #/sx celloflake. 50/50 POZMIX + 2% GEL + 10% SALT TO 400' ABOVE ALL ZONES OF INTEREST (+ 10% EXCESS). LIGHT CEMENT (11 PPG+) + LCM TO 200' ABOVE OIL SHALE OR FRESH WATER INTERVALS (+ 5% EXCESS).
7 7/8	5 1/2	15.5#	5830'	

CONFIDENTIAL
CONFIDENTIAL

PETROGLYPH OPERATING COMPANY, INC. WILL BE THE DESIGNATED OPERATOR OF THE SUBJECT WELL UNDER BOND # BO 4556.

pc: Utah Division of Oil, Gas, and Mining
Bureau of Indian Affairs, Fort Duchesne, Utah
Ute Tribe, Fort Duchesne, Utah



IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. SIGNED [Signature] TITLE AGENT FOR PETROGLYPH DATE 2-18-97
(This space for Federal or State office use)

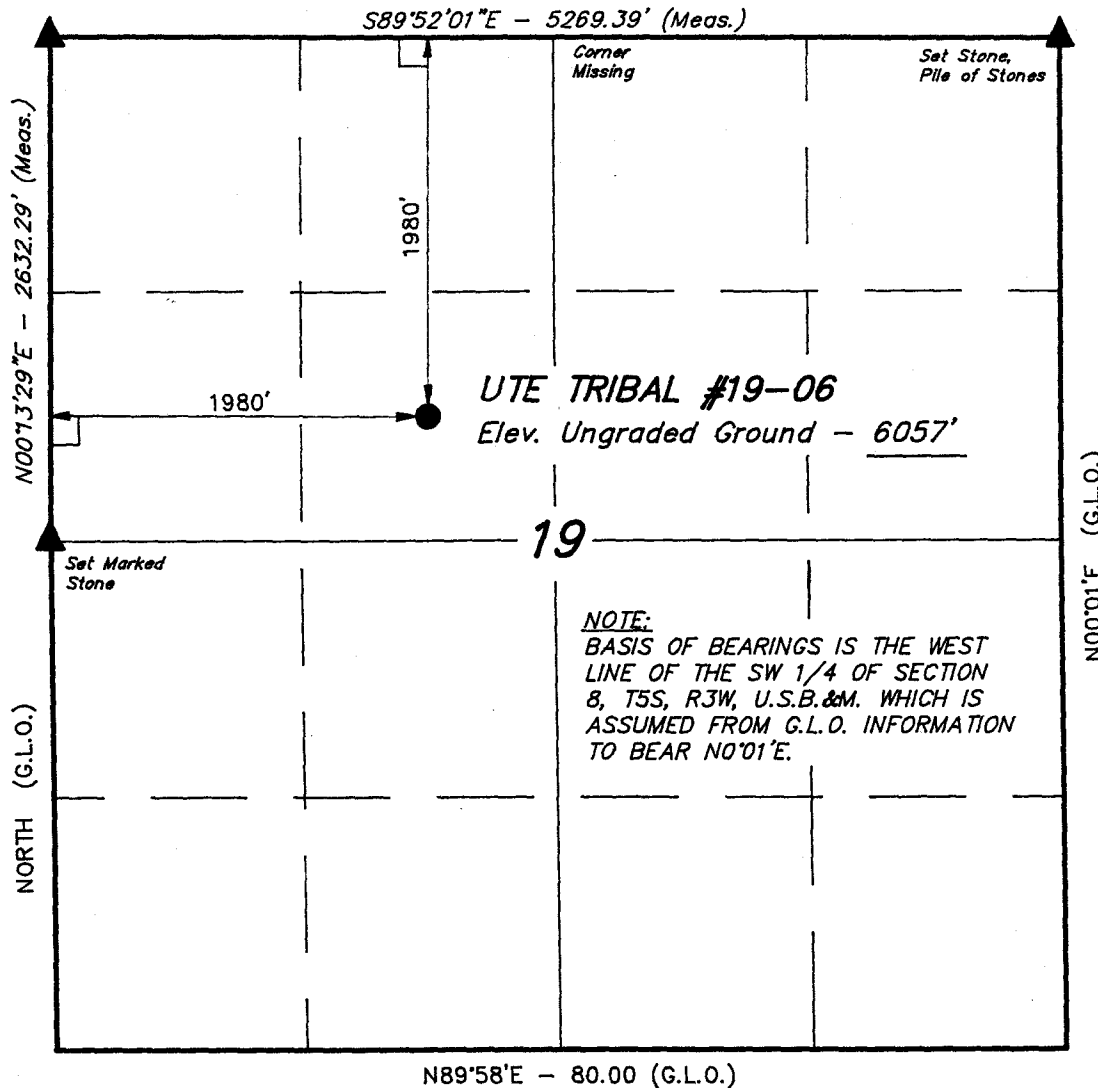
PERMIT NO. 43-013-31828 APPROVAL DATE _____

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.
CONDITIONS OF APPROVAL IF ANY:

APPROVED BY [Signature] TITLE _____ DATE 3/17/97

*See Instructions On Reverse Side

T5S, R3W, U.S.B.&M.



LEGEND:

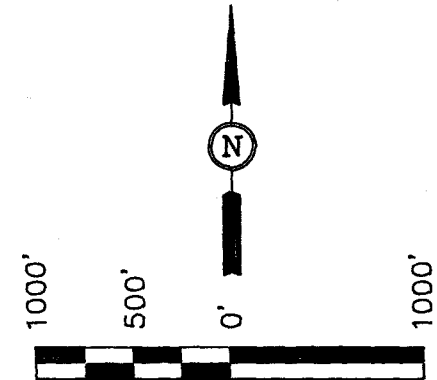
- └ = 90° SYMBOL
- = PROPOSED WELL HEAD.
- ▲ = SECTION CORNERS LOCATED.

PETROGLYPH OPERATING CO., INC.

Well Location, UTE TRIBAL #19-06, located as shown in SE 1/4 NW 1/4 of Section 19, T5S, R3W, U.S.B.&M. Duchesne County, Utah.

BASIS OF ELEVATION

SPOT ELEVATION AT THE NORTHEAST CORNER OF SECTION 18, T5S, R3W, U.S.B.&M. TAKEN FROM THE DUCHESNE SE QUADRANGLE, UTAH, DUCHESNE COUNTY, 7.5 MINUTE SERIES (TOPOGRAPHICAL MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 5943 FEET.



SCALE

CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

Robert L. Hay
 REGISTERED LAND SURVEYOR
 REGISTRATION NO. 161319
 STATE OF UTAH

UINTAH ENGINEERING & LAND SURVEYING
 85 SOUTH 200 EAST - VERNAL, UTAH 84078
 (801) 789-1017

SCALE 1" = 1000'	DATE SURVEYED: 9-4-96	DATE DRAWN: 9-16-96
PARTY D.A. K.H. C.B.T.	REFERENCES G.L.O. PLAT	
WEATHER WARM	FILE PETROGLYPH OPERATING CO., INC.	

EIGHT POINT PLAN

UTE TRIBAL #19-06
SE/NW SEC. 19, T5S R3W
DUCHESNE COUNTY, UTAH

1. ESTIMATED TOPS OF IMPORTANT GEOLOGIC MARKERS:

FORMATIONS	DEPTH	SUBSEA
Mahogany Shale	2640	3520
"B" Marker	3720	2440
"X" Marker	4216	1944
Douglas Creek	4350	1810
"B" Limestone	4730	1430
B/Castle Peak Limestone	5305	855
Basal Carbonate Limestone	5720	440
Total Depth	5830	330

Anticipated BHP 2500 psi

2. ESTIMATED DEPTHS OF ANTICIPATED WATER, OIL, GAS OR MINERALS FORMATIONS:

<u>Substance</u>	<u>Formation</u>	<u>Depth</u>	<u>Subsea</u>
Oil/Gas	Douglas Creek	4350	1810
Oil/Gas	B/Castle Peak	5305	855
Other mineral zones	N/A		

3. PRESSURE CONTROL EQUIPMENT : BOP Schematic Diagram attached.

4. CASING PROGRAM :

						<u>MINIMUM SAFETY FACTOR</u>		
<u>HOLE SIZE</u>	<u>INTERVAL</u>	<u>LENGTH</u>	<u>SIZE</u>	<u>WEIGHT</u>	<u>GRADE</u>	<u>COLLAPSE</u>	<u>BURST</u>	<u>TENSILE</u>
12 1/4	0' - 250'	250'	8 5/8	24.0 #	J-55	1370 PSI	2950 PSI	263,000#
7 7/8	0' - 5830'	5830'	5 1/2	15.5 #	M-50	3650 PSI	4550 PSI	186,000#

All casing will be new or inspected.

EIGHT POINT PLAN
UTE TRIBAL #19-06
SE/NW SEC. 19, T5S R3W
DUCHESNE COUNTY, UTAH

5. MUD PROGRAM

INTERVAL

0' - 250'
250' - 4000'
4000' - TD
TD

MUD TYPE

Air
Air/Mist & Aerated Water
Air/3% KCL water or KCL substitute
Gel/polyacrylamide polymer w/5-10% LCM

Sufficient mud inventory will be maintained on location during drilling to handle any adverse conditions that may arise.

6. VARIANCE REQUESTS:

- A. Petroglyph Operating Co., Inc. requests a variance to regulations requiring a straight run blooie line.
- B. Petroglyph Operating Co., Inc. requests a variance to regulations requiring an automatic ignitor or continuous pilot light on the blooie line.

7. EVALUATION PROGRAM:

Logs: Mud Logging
Compensated Density-Compensated Neutron Log
Dual Laterolog - Micro-SFL
Numar (Magnetic Resonance Imaging Log)

T.D. to base of surface csg.
T.D. to base of surface csg.
T.D. to base of surface csg.
@ Geologists discretion

Cores: None Programmed
DST': None Programmed

Completion: To be submitted at a later date.

8. ABNORMAL CONDITIONS:

None anticipated.

EIGHT POINT PLAN

UTE TRIBAL #19-06
SE/NW SEC. 19, T5S R3W
DUCHESNE COUNTY, UTAH

9. STANDARD REQUIRED EQUIPMENT:

- A. Choke Manifold
- B. Kelly Cock
- C. Stabbing Valve
- D. Visual Mud Monitoring

10. HAZARDOUS CHEMICALS:

No chemicals subject to reporting under SARA title III in an amount equal to or greater than 10,000 pounds will be used, produced, stored, transported, or disposed of annually in association with the drilling of this well. Furthermore, no extremely hazardous substances, as defined in 40 CFR 355, in threshold planning quantities, will be used, produced, stored, transported, or disposed of in association with the drilling of this well.

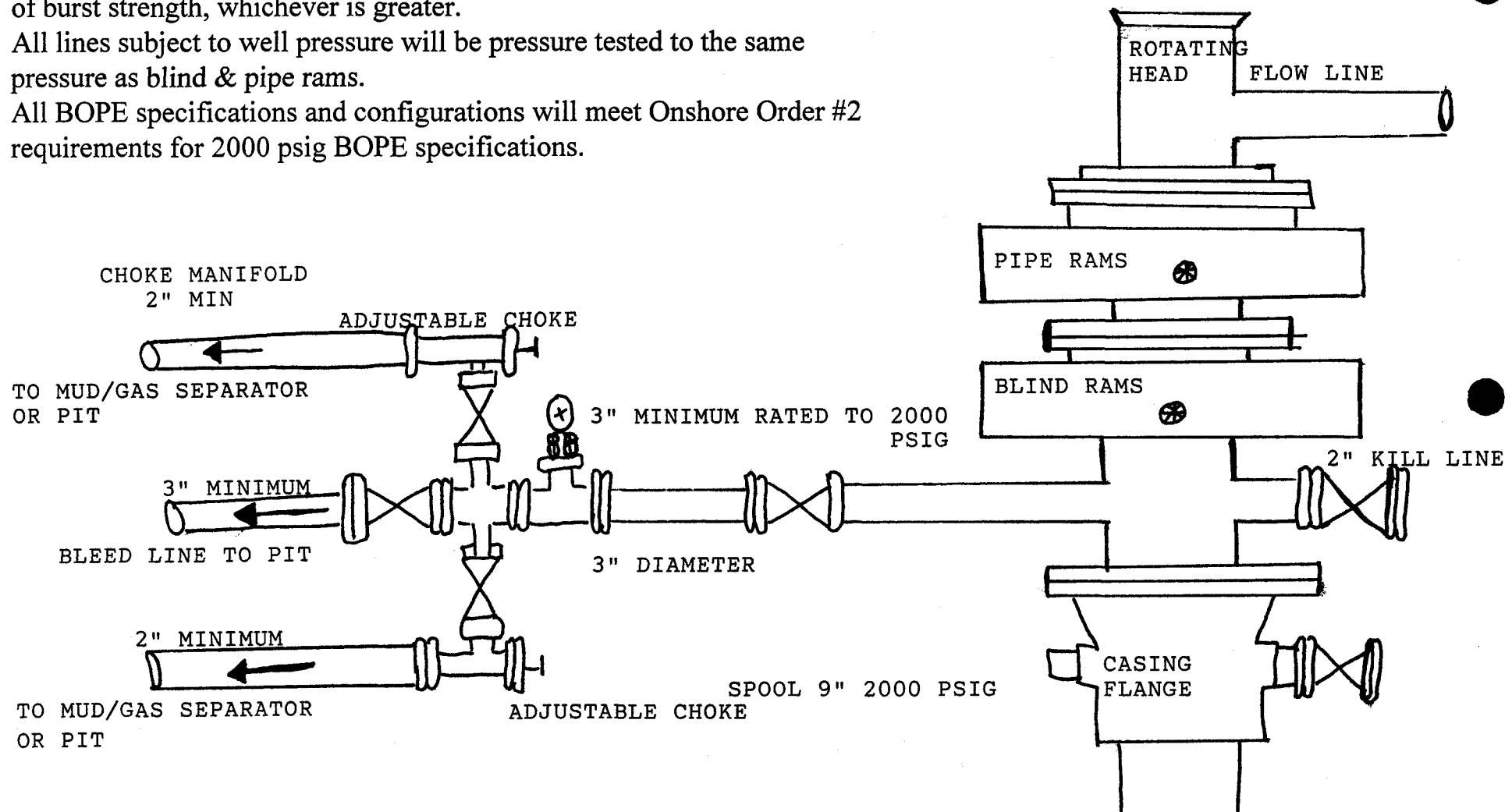
(Attachment: BOP Schematic Diagram)

2000 PSIG DIAGRAM

BOTH RAMS ARE 2000 PSIG RATED.
CASING FLANGE IS 9" 2000 PSIG RATED.
BOPE 9" 2000 PSIG

TESTING PROCEDURE:

1. BOPE 's will be tested with a professional tester to conform to Onshore Order #2 with retest every 14 days.
2. Blind rams will be tested to rated working pressure, 2000 psig
3. Casing will be tested to 0.22 psi/ft. or 1500 psig. Not to exceed 70% of burst strength, whichever is greater.
4. All lines subject to well pressure will be pressure tested to the same pressure as blind & pipe rams.
5. All BOPE specifications and configurations will meet Onshore Order #2 requirements for 2000 psig BOPE specifications.



CONDITIONS OF APPROVAL
FOR THE SURFACE USE PROGRAM OF THE
APPLICATION FOR PERMIT TO DRILL

Company/Operator: Petroglyph Operating Co., Inc.
Well Name & Number: Ute Tribal #19-06
Lease Number: BIA 14-20-H62-3514
Location: 1980' FNL & 1980' FWL SE/NW, Sec. 19, T5S R3W
U.S.B.&M., Duchesne County, Utah
Surface Ownership: Ute Indian Tribe

NOTIFICATION REQUIREMENTS

Location Construction - forty-eight (48) hours prior to construction of
location and access roads.

Location Completion - prior to moving on the drilling rig.

Spud Notice - at least twenty-four (24) hours prior to spudding the
well.

Casing String and
Cementing - twenty-four (24) hours prior to running casing and
cementing all casing strings.

BOP and related
Equipment Tests - twenty-four (24) hours prior to running casing and
tests.

First Production
Notice - within five (5) business days after new well begins
or production resumes after well has been off
production for more than ninety (90) days.

For more specific details on notification requirements, please check the
Conditions of Approval for Notice To Drill and Surface Use Program.

THIRTEEN POINT SURFACE USE PROGRAM

1. EXISTING ROADS

- A. See attached Wellsite Plats showing directional reference stakes on location, and attached TOPO Map "B" showing access to location from existing road.
- B. The proposed well site is located approximately 19.2 miles southwest of Myton, Utah - See attached TOPO Map "A".
- C. Refer to attached Topographic Map "A" showing labeled access route to location.
- D. Existing roads will be maintained and repaired as necessary. No off lease Right-of-Way will be required.

2. PLANNED ACCESS ROAD

- A. The access road will be approximately 0.1 miles in length. See attached TOPO Map "B".
- B. The access road has a 30 foot ROW w/18 foot running surface.
- C. Maximum grade on access road will be 8%
- D. No turnouts will be required.
- E. Road drainage crossings shall be of the typical dry creek drainage crossing type.
- F. No culverts, bridges or major cuts & fills will be required.
- G. The access road will be dirt surface.
- H. No gates, cattleguards or fences will be required or encountered.

New or reconstructed roads will be centerlined - flagged at time of location staking.

All travel will be confined to existing access road Right-of-Way. Access roads and surface disturbing activities will conform to standards outlined in the Bureau of Land Management and Forest Service Publication: Surface Operating Standards For Oil & Gas Exploration and Development, (1989).

The road shall be upgraded to meet the standards of the anticipated traffic flow and all-weather road requirements. Upgrading shall include ditching, drainage, graveling, crowning, and capping the

roadbed as necessary to provide a well-constructed safe road.

Prior to upgrading, the road shall be cleared of any snow cover and allowed to dry completely. Traveling off the 30 foot Right-of- Way will not be allowed.

Road drainage crossings shall be of the typical dry creek drainage crossing type. Crossings shall be designed so they will not cause siltation or accumulation of debris in the drainage crossings nor shall the drainages be blocked by the roadbed. Erosion of drainage ditches by run off water shall be prevented by diverting water off at frequent intervals by means of cutouts. Upgrading shall not be allowed during muddy conditions. Should mud holes develop, they shall be filled in and detours around them avoided.

As operator, Petroglyph Operating Co., Inc. shall be responsible for all maintenance on cattleguards, or gates associated with this oil and/or gas operation.

3. LOCATION OF EXISTING WELLS WITHIN A ONE MILE RADIUS OF PROPOSED WELL LOCATION

- A. Water wells - None
- B. Abandoned wells - None
- C. Temporarily abandoned wells - None.
- D. Disposal wells - None.
- E. Drilling wells - None.
- F. Producing wells - 4*
- G. Shut in wells - None
- H. Injection wells - None

(*See attached TOPO map "C" for location)

4. LOCATION OF EXISTING AND/OR PROPOSED FACILITIES

A. ON WELL PAD

- 1. Tank batteries - None
- 2. Production facilities-To be submitted later
- 3. Oil gathering lines - None

4. Gas gathering lines-None
5. Injection lines - None
6. Disposal lines - None
7. Surface pits - None

B. OFF WELL PAD

1. Proposed location of attendant off pad flowlines shall be flagged prior to archaeological clearance.
2. A 4 1/2" OD steel above ground gas sales pipeline will be laid approximately 380' from proposed location to a point in the SE/NW of Section 19, T5S, R3W, where it will tie into Petroglyph Operating Co., Inc.'s existing pipeline. Proposed pipeline crosses Ute Tribe lands, thus a Right-of-Way grant will be required. See attached TOPO Map D showing pipeline route.
3. Proposed pipeline will be a 4 1/2" OD steel, welded line laid on the surface.
4. Protective measures and devices for livestock and wildlife will be taken and/or installed where required.

If storage facilities/tank batteries are constructed on this lease, the facility/battery or the well pad shall be surrounded by a containment dike of sufficient capacity to contain, at a minimum, the entire contents of the largest tank within the facility/battery, unless more stringent protective requirements are deemed necessary by the authorized officer.

The production facilities will be placed on the Northwest side of the location.

All permanent (on site for six months or longer) structures constructed or installed (including pumping units) will be painted a flat, non-reflective, earthtone color to match one of the standard environmental colors, as determined by the Rocky Mountain Five State Interagency Committee. All facilities required will be painted within 6 months of installation. Facilities required to comply with O.S.H.A.

(Occupational Safety and Health Act) will be excluded.
The required paint color is Desert Brown.

5. LOCATION & TYPE OF WATER SUPPLY

- A. Water supply will be from Target Trucking's Roosevelt Brine Storage and/or Target's water source in SE 1/4, Sec. 1, T 4S, R 5W Duchesne County, Utah (State water right #43-10152). All water will come from a non-depletable source.
- B. Water will be hauled by Target Trucking.
- C. No water well will be drilled on lease.

6. SOURCE OF CONSTRUCTION MATERIAL

- A. All construction material for this location and access road will be of native borrow and soil accumulated during the construction of location.
- B. All construction material will come from Ute Tribal Land.
- C. No mineral materials will be required.

7. METHODS OF HANDLING WASTE DISPOSAL

A. METHODS AND LOCATION

- 1. Cuttings will be confined in the reserve pit.
- 2. A portable toilet will be provided for human waste during the drilling and completion of the well. Disposal will be at the Vernal sewage disposal plant.
- 3. Burning will not be allowed. Trash and other waste material will be contained in a wire mesh cage and disposed of at an approved waste disposal facility.
- 4. Produced waste water will be confined to a lined pit or storage tank for a period not to exceed 90 days after initial production. During the 90 day period, an application for approval of a permanent disposal method and location, together with the required water analysis, will be submitted for the AO's approval.

5. All chemicals will be disposed of at an authorized disposal site. Drip pans and absorbent pads will be used on drilling rig to avoid leakage of oil to pit.

B. Water from drilling fluids and recovered during testing operations will be disposed of by either evaporating in reserve pit or be removed and disposed of at an authorized disposal site. Introduction of well bore hydrocarbons to reserve pit will be avoided by flaring them off in flare pit at time of recovery.

Burning of trash will not be allowed. All trash must be contained in a trash cage and hauled away to an approved disposal site at the completion of the drilling activities.

On BIA administered land:

All reserve pits will be lined with either native clay, commercial bentonite or plastic sufficient to prevent seepage. (If a plastic nylon reinforced liner is used, it shall be torn and perforated after the pit dries and before backfilling of the reserve pit).

A 12 mill liner shall be installed in the reserve pit.

___ To protect the environment:

If the reserve pit is lined the operator will provide the BIA with a chemical analysis of the fluids in that pit no later than 90 days after the well completion to determine the method for final reclamation of the reserve pit. If the elemental concentrations shown by the chemical analysis exceeds the requirements described by part II, Standards of Quality for Waters of the State, Wastewater Disposal Regulations, State of Utah Division of Health, the contents and liner will be removed and disposed of at an authorized disposal site.

___ To protect the environment (without a chemical analysis)
reserve pits will be constructed so as not to leak, break, or allow discharge of liquids.

___ Storage tanks will be used if drill sites are located on tribal

irrigable land, flood plains, or on lands under crop production.

After first production, produced waste water will be confined to a lined pit or storage tank for a period not to exceed ninety (90) days. During the 90 day period, in accordance with NTL-2B, an application for approval of a permanent disposal method and location, along with required water analysis, shall be submitted for the AO's approval. Failure to file an application within the time allowed will be considered an incident of noncompliance.

8. ANCILLARY FACILITIES

- A. No airstrips or camps are planned for this well.

9. WELL SITE LAYOUT

- A. Refer to attached well site plat for related topography cuts and fills & cross sections.
- B. Refer to attached well site plat for rig layout and soil material stockpile location as approved on On-site.
- C. Refer to attached well site plat for rig orientation parking areas, and access road.

The reserve pit will be located on the Southeast side of the location.

The flare pit will be located downwind of the prevailing wind direction on the Southeast side of the location, a minimum of 100 feet from the well head and 30 feet from the reserve pit fence.

The stockpiled topsoil will be stored on the Northwest side.

Access to the well pad will be from the Southwest.

N/A Diversion ditch(es) shall be constructed on the _____ side of the location (above/below) the cut slope, draining to the _____

N/A Soil compacted earthen berm(s) shall be placed on the _____ side(s) of the location between the _____

X The drainage(s) shall be diverted around the sides of the well pad location.

N/A The reserve pit and/or pad locations shall be constructed long and narrow for topographic reasons _____

X Corner No. 2 will be rounded off to minimize the fill.

FENCING REQUIREMENTS

All pits will be fenced according to the following minimum standards:

- A. 39 inch net wire shall be used with at least one strand of barbed wire on top of the net wire. (barbed wire is not necessary if pipe or some type of reinforcement rod is attached to the top of the entire fence).
- B. The net wire shall be no more than 2 inches above the ground. The barbed wire strand shall be 3 inches above the net wire. Total height of the fence shall be at least 42 inches.
- C. Corner posts shall be cemented and/or braced in such a manner to keep the fence tight at all times.
- D. Standard steel, wood, or pipe posts shall be used between the corner braces. Maximum distance between any two posts shall be no greater than 16'.
- E. All wire shall be stretched by using a stretching device before it is attached to the corner posts.

The reserve pit fencing will be on the three sides during drilling operations and on the fourth side when the rig moves off the location. Pits will be fenced and maintained until clean-up.

Each existing fence to be crossed by the access road shall be braced and tied off before cutting so as to prevent slacking of the wire. The opening shall be closed temporarily as necessary during construction to prevent the escape of livestock, and upon completion of construction the fence shall be repaired to BIA or SMA specifications. A cattleguard with an adjacent 16 foot gate shall be installed in any fence where a road is to be regularly travelled. If the well is a producer, the cattleguards (shall/ shall not) be permanently mounted on concrete bases. Prior to a new road, crossing any fence located on federal land, or any fence between federal land and private land, the operator will contact the BIA, who will in turn contact the grazing permittee or owner of said fence and offer him/her the opportunity to be present when the fence is cut in order to

satisfy himself/herself that the fence is adequately braced and tied off.

10. PLANS FOR RESTORATION OF SURFACE

A. PRODUCING LOCATION

Immediately upon well completion, the location and surrounding area will be cleared of all unused tubing, equipment, debris, materials, trash, and junk not required for production.

Immediately upon well completion, any hydrocarbons on the pit shall be removed in accordance with CFR 3162.7-1.

If a plastic nylon reinforced liner is used, it shall be torn and perforated before backfilling of the reserve pit.

The reserve pit and that portion of the location not needed for production facilities/operations will be recontoured to the approximate natural contours. The reserve pit will be reclaimed within 120 days from the date of well completion (weather permitting). Before any dirt work takes place, the reserve pit will be completely dry and all cans, barrels, pipe, fluid, and hydrocarbons, will be removed.

Contact appropriate surface management agency for required seed mixture.

B. DRY HOLE/ABANDONED LOCATION

At such time as the well is plugged and abandoned, the operator will submit a subsequent report of abandonment and BIA will attach the appropriate surface rehabilitation conditions of approval.

ON BIA Administered lands:

Abandoned well sites, roads, or other disturbed areas will be restored to near their original condition. This procedure will include: (a) reestablishing irrigation systems where applicable, (b) reestablishing soil conditions in irrigated fields in such a way as to ensure cultivation and harvesting of crops and, (c) ensuring revegetation of the disturbed areas to the specifications of the Ute Indian Tribe or the BIA at the time of abandonment.

11. SURFACE OWNERSHIP

Access road: Ute Indian Tribe

Location: Ute Indian Tribe

12. OTHER INFORMATION

- A. Petroglyph Operating Co., Inc. will inform all persons in the area who are associated with this project that they are subject to prosecution for knowingly disturbing historic or archaeological sites, or for collecting artifacts. If historic or archaeological materials are uncovered during construction, the operator will immediately stop work that might further disturb such materials, and contact the AO. Within five working days the AO will inform the operator as to:
- whether the materials appear eligible for the National Register of historic Places;

the mitigation measures the operator will likely have to undertake before the site can be used.

-a time frame for the AO to complete an expedited review under 36 CFR 800.11 to confirm, through the State Historic Preservation Officer, that the findings of the AO are correct and that mitigation is appropriate.

If the operator wished, at any time, to relocate activities to avoid the expense of mitigation and/or the delays associated with this process, the AO will assume responsibility for whatever recordation and stabilization of the exposed materials that may be required. Otherwise, the operator will be responsible for mitigation costs. The AO will provide technical and procedural guidelines for the conduct of mitigation. Upon verification from the AO that required mitigation has been completed, the operator will then be allowed to resume construction.

- B. As operator, Petroglyph Operating Co., Inc. will control noxious weeds along Right-of-Ways for roads, pipelines, well sites, or other applicable facilities. A list of noxious weeds will be obtained from the BIA,

or the appropriate County Extension Office. On BIA administered land, a Pesticide Use proposal shall be submitted, and given approval, prior to the application of herbicides or other pesticides or possible hazardous chemicals.

- C. Drilling rigs and/or equipment used during drilling operations on this well site will not be stacked or stored on Tribal Lands after the conclusion of drilling operations or at any other time without BIA authorization. However, if BIA authorization is obtained, it is only a temporary measure to allow time to make arrangements for permanent storage on commercial facilities.

On BIA administered land:

Operator's employees, including subcontractors, will not gather firewood along roads constructed by operators. If wood cutting is required, a permit will be obtained from the Forestry Department of the BIA pursuant to 25 CFR 169.13 "Assessed Damages Incident to Right-of-Way authorization". All operators, subcontractors, vendors, and their employees or agents may not disturb saleable timber (including firewood) without a duly granted wood permit from the BIA Forester.

If the surface rights are owned by the Ute Indian Tribe and mineral rights are owned by another entity, an approved right-of-way will be obtained from the BIA before the operator begins any construction activities. If the surface is owned by another entity and the mineral rights are owned by the Ute Indian Tribe, rights-of-way will be obtained from the other entity.

All roads constructed by operators on the Uintah and Ouray Indian Reservation will have appropriate signs. Signs will be neat and of sound construction. They will state: (a) that the land is owned by the Ute Indian Tribe, (b) the name of the operator, (c) that firearms are prohibited to all non-Ute Tribal members (d) that permits must be obtained from the BIA before cutting firewood or other timber products, and (e) only authorized personnel permitted. All well site locations on the Uintah and Ouray Indian Reservation will have an appropriate sign indicating the name of the operator,

the lease serial number, the well name and number, the survey description of the well (either footage or the quarter-quarter section, the section, township, and range).

Additional Surface Stipulations

N/A No construction or drilling activities shall be conducted between

_____ and _____ because of _____

N/A No surface occupancy will be allowed within 1,000 feet of any sage grouse strutting ground.

N/A No construction or exploration activities are permitted within 1.5 mile radius of sage grouse strutting grounds from April 1 to June 30.

N/A There shall be no surface disturbance within 600 feet of live water (includes stock tanks, springs, and guzzlers).

N/A No cottonwood trees will be removed or damaged.

N/A Pond will be constructed according to BLM specifications approximately _____ ft. _____ of the location, as flagged on onsite.

LESSEE'S OR OPERATOR'S REPRESENTATIVE AND CERTIFICATION

PERMITTING

Ed Trotter

1620 West 750 North

Vernal UT 84078

Telephone # (801)789-4120

Fax # (801) 789-1420

OPERATIONS

Vince Guinn

P.O. Box 607

Roosevelt, UT 84066

(801) 722-2531

Fax # (801) 722-9145

All lease/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws, regulations, Onshore Oil and Gas Orders, the approval plan of operations, and any applicable Notice to Lessees. Petroglyph Operating Co., Inc. is fully responsible for the actions of their subcontractors. A copy of these conditions will be furnished to the field representative to insure compliance.

A copy of the approved APD and ROW grant, if applicable, shall be on location during construction of the location and drilling activities.


The BIA Office shall be notified upon site completion prior to moving on the drilling rig.

Certification:

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drillsite and access route; that I am familiar with the conditions which presently exist; that the statements made in the Plan are to the best of my knowledge, true and correct; and that the work associated with the operations proposed herein will be performed by Petroglyph Operating Co., Inc. and its contractors and sub-contractors in conformity with this Plan and the terms and conditions under which it is approved.

2-18-97

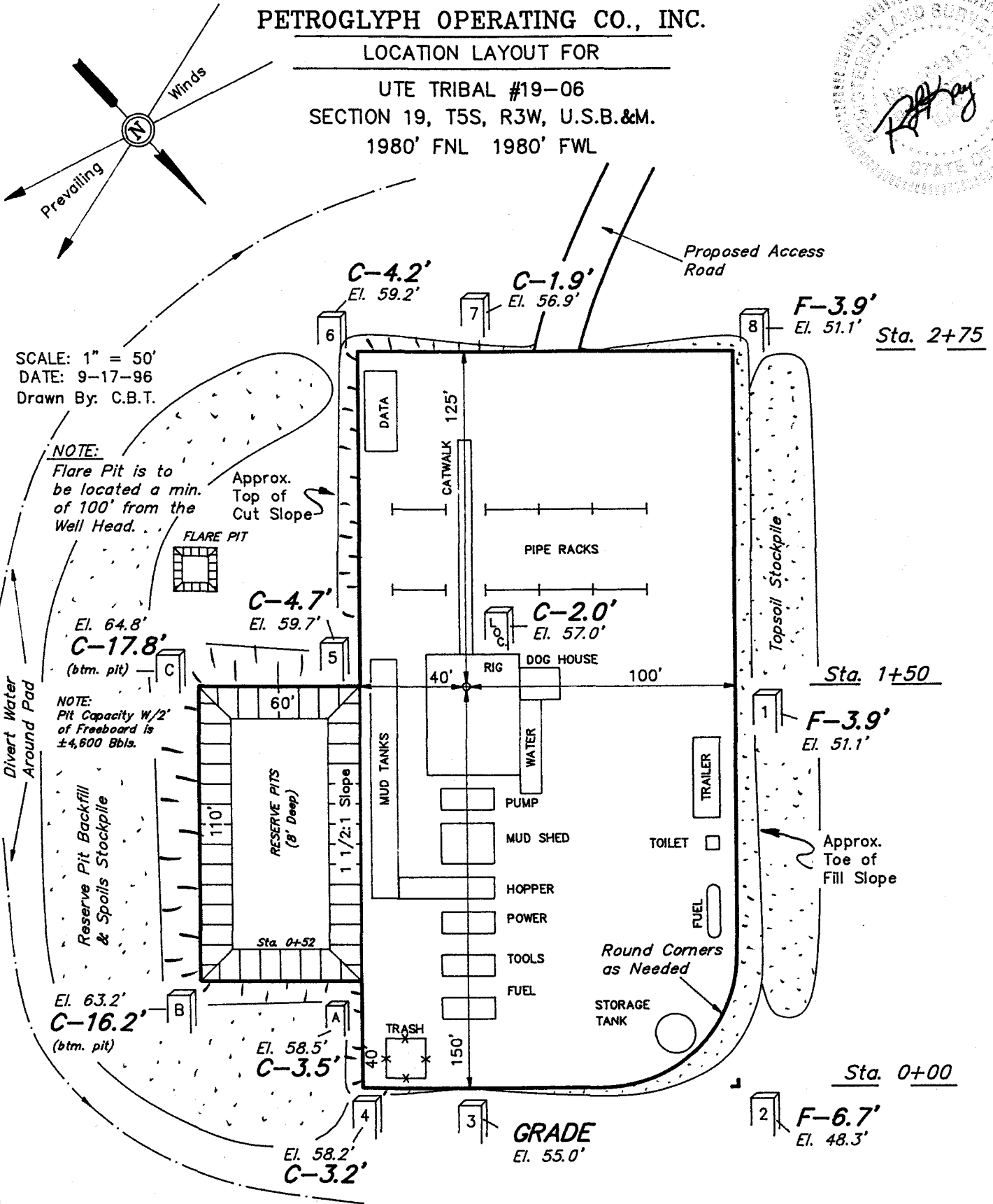
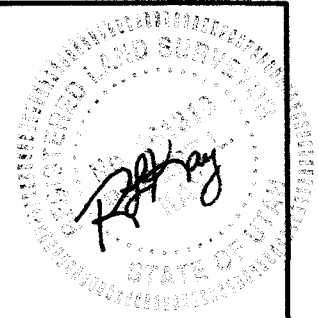
Date



PETROGLYPH OPERATING CO., INC.

LOCATION LAYOUT FOR

UTE TRIBAL #19-06
SECTION 19, T5S, R3W, U.S.B.&M.
1980' FNL 1980' FWL



Elev. Ungraded Ground at Location Stake = 6057.0'

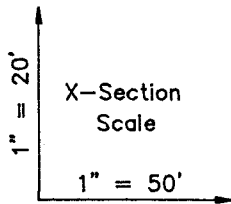
Elev. Graded Ground at Location Stake = 6055.0'

UINTAH ENGINEERING & LAND SURVEYING
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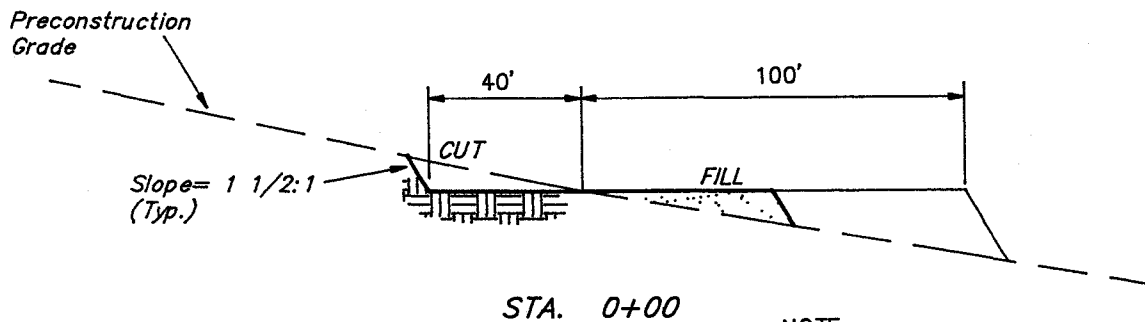
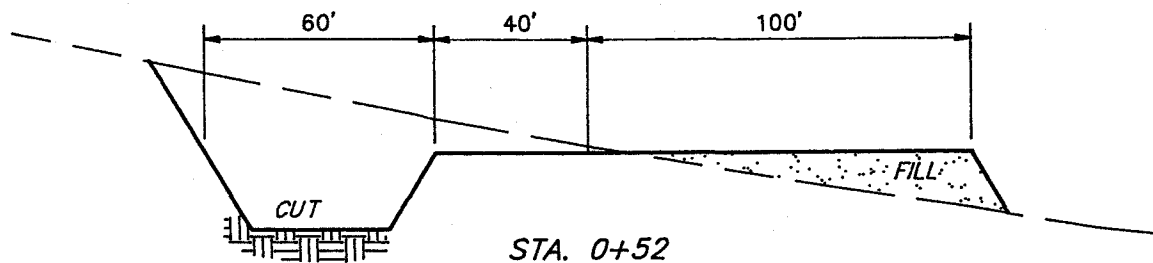
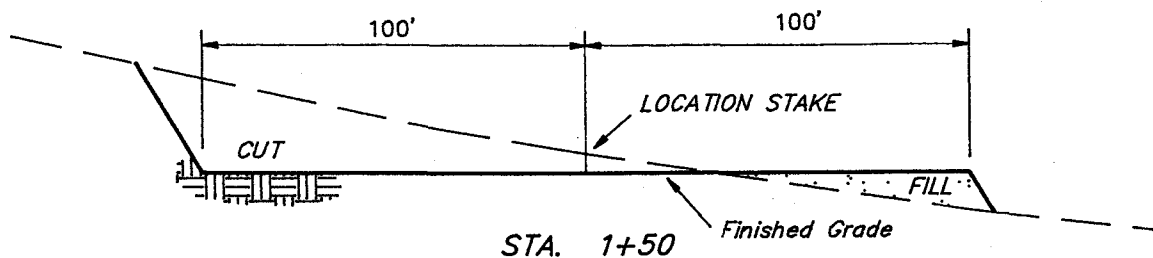
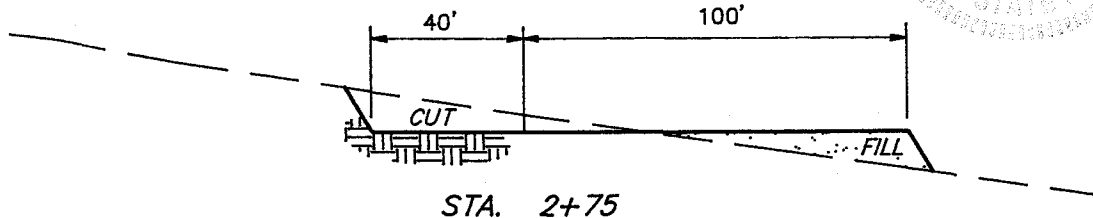
PETROGLYPH OPERATING CO., INC.

TYPICAL CROSS SECTIONS FOR

UTE TRIBAL #19-06
SECTION 19, T5S, R3W, U.S.B.&M.
1980' FNL 1980' FWL



DATE: 9-17-96
Drawn By: C.B.T.



NOTE:

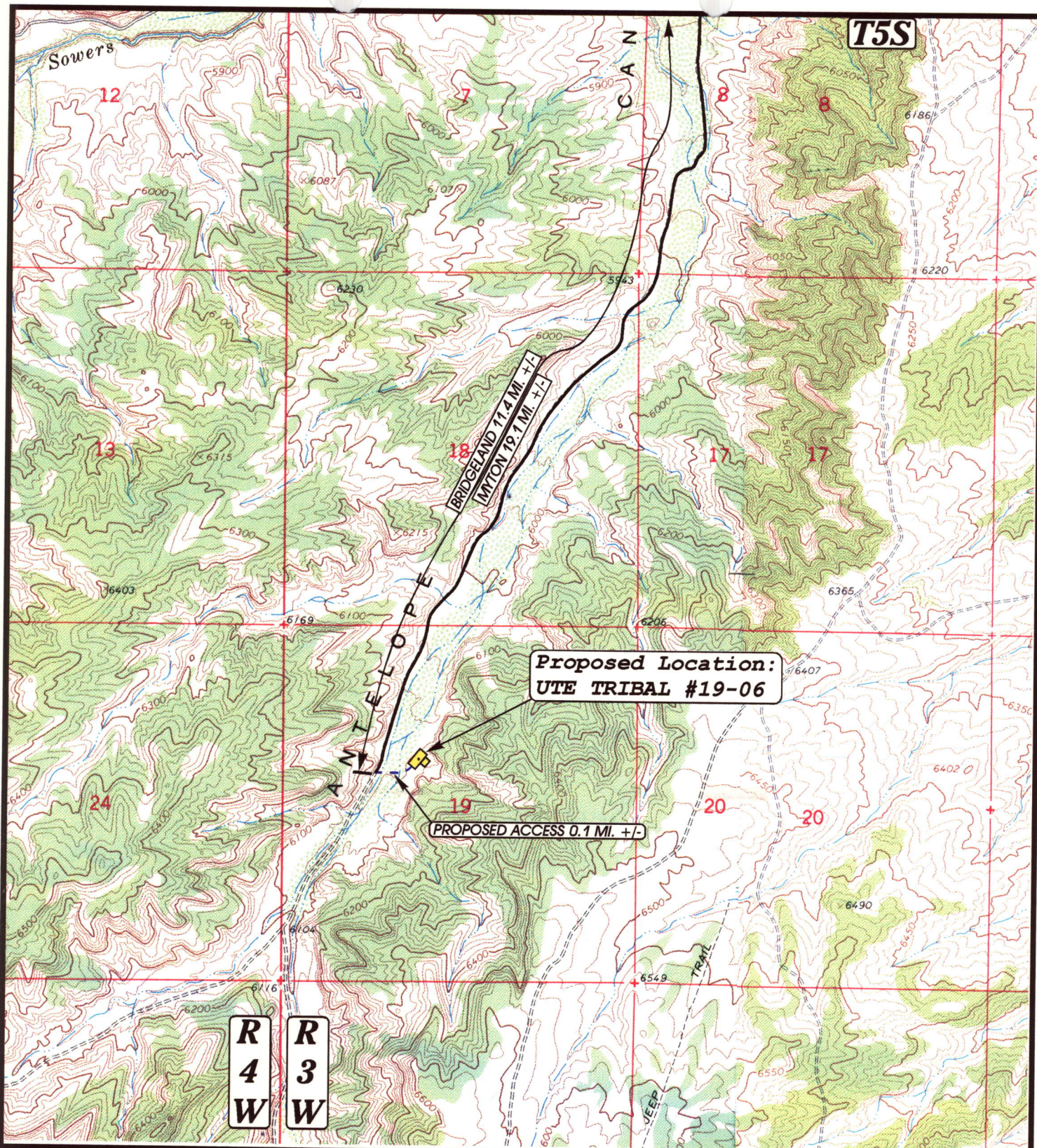
Topsoil should not be
Stripped Below Finished
Grade on Substructure Area.

APPROXIMATE YARDAGES

(12") Topsoil Stripping = 1,670 Cu. Yds.
Remaining Location = 3,900 Cu. Yds.
TOTAL CUT = 5,570 CU.YDS.
FILL = 3,040 CU.YDS.

EXCESS MATERIAL AFTER
5% COMPACTION = 2,370 Cu. Yds.
Topsoil & Pit Backfill = 2,370 Cu. Yds.
(1/2 Pit Vol.)
EXCESS UNBALANCE = 0 Cu. Yds.
(After Rehabilitation)

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UEIS

**TOPOGRAPHIC
MAP "B"**

**DATE: 9-19-96
Drawn by: D.COX**

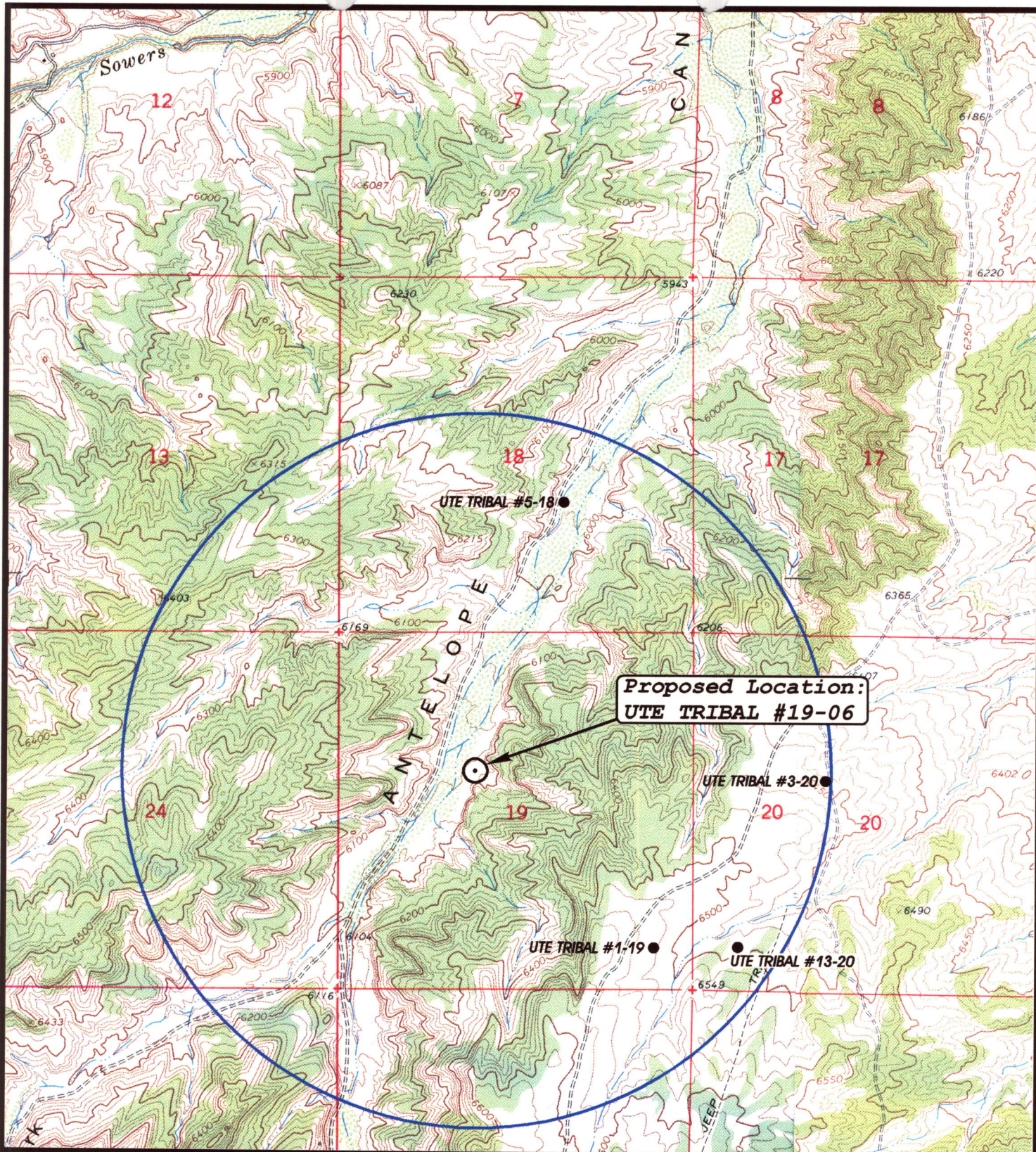
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SCALE: 1" = 2000'

PETROGLYPH OPERATING CO., INC.

**UTE TRIBAL #19-06
SECTION 19, T5S, R3W, U.S.B.&M.
1980' FNL 1980' FWL**



LEGEND

- WELLS**
- Water Wells
 - Abandoned Wells
 - Temporarily Abandoned Wells
 - Disposal Wells
 - Drilling Wells
 - Producing Wells
 - Shut-In Wells

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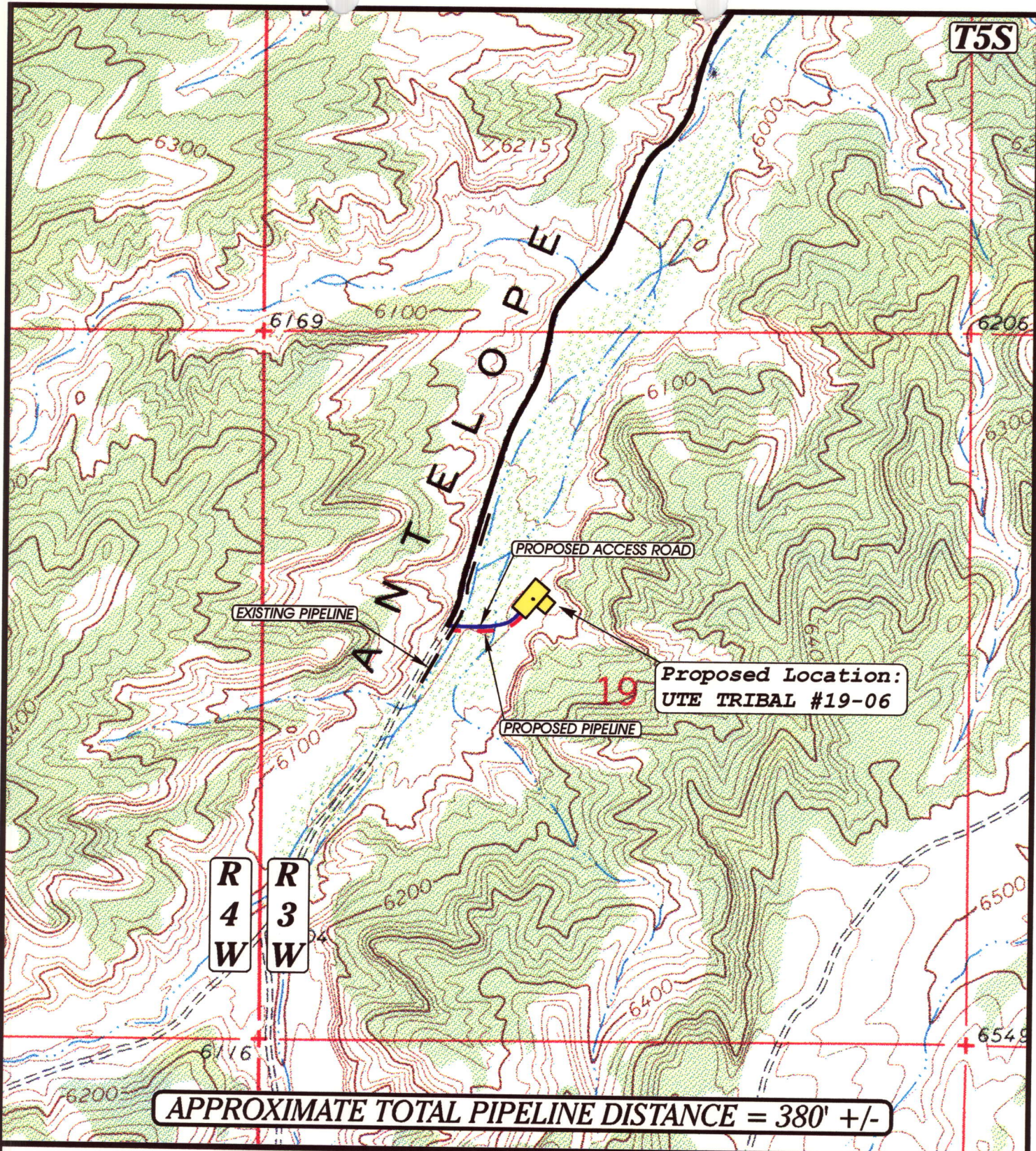


SCALE: 1" = 2000'

PETROGLYPH OPERATING CO., INC.

UTE TRIBAL #19-06
SECTION 19, T5S, R3W, U.S.B.&M.
**TOPOGRAPHIC
MAP "C"**

DATE: 9-18-96 D.COX



UELS

**TOPOGRAPHIC
MAP "D"**

- — — Existing Pipeline
- - - Proposed Pipeline



PETROGLYPH OPERATING CO., INC.

UTE TRIBAL #19-06
SECTION 19, T5S, R3W, U.S.B.&M.

DATE: 9-19-96
Drawn by: D.COX

UINTAH ENGINEERING & LAND SURVEYING
85 So. 200 East • Vernal, Utah 84078 • (801) 789-1017



DATE: 9-18-96
Drawn by: D.COX



UTE TRIBAL #19-06
SECTION 19, T5S, R3W, U.S.B.&M.
1980' FNL 1980' FWL

WORKSHEET
APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 02/26/97

API NO. ASSIGNED: 43-013-31828

WELL NAME: UTE TRIBAL 19-06
OPERATOR: PETROGLYPH OPERATING (N3800)

PROPOSED LOCATION:

SENW 19 - T05S - R03W
SURFACE: 1980-FNL-1980-FWL
BOTTOM: 1980-FNL-1980-FWL
DUCHESNE COUNTY
ANTELOPE CREEK FIELD (060)

LEASE TYPE: IND
LEASE NUMBER: 14-20-H62-3514

PROPOSED PRODUCING FORMATION: GRRV

INSPECT LOCATION BY: / /

TECH REVIEW	Initials	Date
Engineering		
Geology		
Surface		

RECEIVED AND/OR REVIEWED:

☒ Plat
☒ Bond: Federal [☒ State[] Fee[]
(Number Bo 4556)
☒ Potash (Y/N)
☒ Oil shale (Y/N)
☒ Water permit
(Number 43-10 152)
☒ RDCC Review (Y/N)
(Date: _____)

LOCATION AND SITING:

____ R649-2-3. Unit: _____
☒ R649-3-2. General.
____ R649-3-3. Exception.
____ Drilling Unit.
____ Board Cause no: _____
____ Date: _____

COMMENTS: _____

STIPULATIONS: _____



State of Utah
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

Michael O. Leavitt
Governor

Ted Stewart
Executive Director

James W. Carter
Division Director

1594 West North Temple, Suite 1210

Box 145801

Salt Lake City, Utah 84114-5801

801-538-5340

801-359-3940 (Fax)

801-538-7223 (TDD)

March 17, 1997

Petroglyph Operating Company, Inc.
P.O. Box 607
Roosevelt, Utah 84066

Re: Ute Tribal 19-06 Well, 1980' FNL, 1980' FWL, SE NW, Sec. 19,
T. 5 S., R. 3 W., Duchesne County, Utah

Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann. 40-6-1 et seq., Utah Administrative Code R649-3-1 et seq., and the attached Conditions of Approval, approval to drill the referenced well is granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-013-31828.

Sincerely,

R. J. Firth
Associate Director

lwp

Enclosures

cc: Duchesne County Assessor
Bureau of Land Management, Vernal District Office

Operator: Petroglyph Operating Company, Inc.
Well Name & Number: Ute Tribal 19-06
API Number: 43-013-31828
Lease: 14-20-H62-3514
Location: SE NW Sec. 19 T. 5 S. R. 3 W.

Conditions of Approval

1. General

Compliance with the requirements of Utah Admin. R. 649-1 et seq., the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for Permit to Drill.

2. Notification Requirements

Notify the Division within 24 hours following spudding the well or commencing drilling operations. Contact Jimmie Thompson at (801)538-5336.

Notify the Division prior to commencing operations to plug and abandon the well. Contact R. J. Firth (801)538-5274 or Mike Hebertson at (801) 538-5333.

3. Reporting Requirements

All required reports, forms and submittals shall be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR DEEPEN

1a. TYPE OF WORK

DRILL ☒DEEPEN ☐

b. TYPE OF WELL

OIL
WELL ☒GAS
WELL ☐

OTHER

SINGLE
ZONE ☐MULTIPLE
ZONE ☐

2. NAME OF OPERATOR

PETROGLYPH OPERATING COMPANY, INC.

3. ADDRESS AND TELEPHONE NO.

P.O. BOX 607, ROOSEVELT, UTAH 84066

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*
At surface

1980' FNL & 1980' FWL SE/NW

At proposed prod. zone

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*

19.2 MILES SOUTHWEST OF MYTON, UTAH

15. DISTANCE FROM PROPOSED*

LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT.
(Also to nearest drlg. unit line, if any)

1980'

16. NO. OF ACRES IN LEASE

640

17. NO. OF ACRES ASSIGNED
TO THIS WELL

40

18. DISTANCE FROM PROPOSED LOCATION*

TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.

19. PROPOSED DEPTH

5830'

20. ROTARY OR CABLE TOOLS

ROTARY

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

6055.0' GRADED GROUND

22. APPROX. DATE WORK WILL START*

FEBRUARY 1997

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	GRADE, SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/4	8 5/8	24.0#	250'	135 sx class "G" + 2% CaCl ₂
7 7/8	5 1/2	15.5#	5830'	+ 1/4 #/sx celloflake.
				50/50 POZMIX + 2% GEL + 10% SALT TO 400' ABOVE ALL ZONES OF INTEREST (+ 10% EXCESS). LIGHT CEMENT (11 PPG+) + LCM TO 200' ABOVE OIL SHALE OR FRESH WATER INTERVALS (+ 5% EXCESS).

RECEIVED
MAR 19 1997
DIV. OF OIL, GAS & MININGPETROGLYPH OPERATING COMPANY, INC. WILL BE THE DESIGNATED
OPERATOR OF THE SUBJECT WELL UNDER BOND # BO 4556.pc: Utah Division of Oil, Gas, and Mining
Bureau of Indian Affairs, Fort Duchesne, Utah
Ute Tribe, Fort Duchesne, Utah

RECEIVED

FEB 26 1997

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

SIGNED

TITLE AGENT FOR PETROGLYPH

DATE 2-18-97

(This space for Federal or State office use)

CONDITIONS OF APPROVAL ATTACHED
TO OPERATOR'S COPY

PERMIT NO.

NOTICE OF APPROVAL

APPROVAL DATE

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.
CONDITIONS OF APPROVAL, IF ANY:

APPROVED BY

TITLE

Assistant Field Manager
Mineral Resources

DATE

MAR 11 1997

*See Instructions On Reverse Side

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

memorandum

DATE: NOV. 19 1996

REPLY TO
ATTN OF:

Superintendent, Uintah & Ouray Agency

SUBJECT:

Concurrence Letter for PETROGLYPH OPERATING COMPANY

Ute Tribal #19-06, NENW Sec. 19, T5S, R3W, USB&M

TO: Ute Tribal #20-03, NENW Sec. 20, T5S, R3W, USB&M

Ute Tribal #30-02, NWNE Sec 30, T5S, R3W, USB&M

RECEIVED

NOV 22 1996

Bureau of Land Management, Vernal District Office
Attention: Minerals and Mining Division

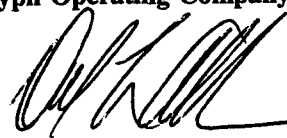
We recommend approval of the Application for Permit to Drill on the subject well.

Based on available information received on November 19, 1996, we cleared the proposed location in the following areas of environmental impact.

YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>	Listed threatened or endangered species
YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>	Critical wildlife habitat
YES <input checked="" type="checkbox"/>	NO <input type="checkbox"/>	Archaeological or cultural resources
YES <input type="checkbox"/>	NO <input type="checkbox"/>	Air quality aspects (to be used only if project is in or adjacent to a Class I area of attainment)
YES <input type="checkbox"/>	NO <input type="checkbox"/>	Other (if necessary)

COMMENTS: The Ute Tribe Energy & Minerals is recommending the following criteria to be adhered during all phases of construction activities.

1. The Ute Tribe Energy and Minerals Department is to notified 48 hours prior to construction, as a Tribal Technician is to monitor construction.
2. A 50 foot corridor rights-of-way shall be granted with the following:
 - A. Access roads shall be limited to 22 feet, except as granted for sharp turns.
 - B. Surface pipelines shall be limited to 13 feet.
 - C. Buried pipelines shall be limited 15 feet, and will be monitored by Tribal Technician.
3. Petroglyph Operating Company will assure the Ute Tribe that any/all contractors and any sub-contractors has acquired a Tribal Business License and have access permits prior to construction.
4. All vehicular traffic, personnel movement, construction and restoration operations should be confined to the areas examined, as referenced in report, and to the existing roadways and/or evaluated access routes.
5. All personnel should refrain from collecting artifacts and from disturbing any significant cultural resources in the area.
6. The personnel for the Ute Tribe Energy & Mineral Department should be consulted should cultural remains from subsurface deposits be exposed or identified during construction.
7. All mitigation stipulations contained in the Bureau of Indian Affairs combined site specific Environmental Analysis (EA) will be strictly adhered.
8. Upon completion of Application for Permit to Drill and Right-of-way, the Ute Tribe Energy & Minerals Resource Department will be notified by Petroglyph Operating Company so that a Tribal Technician can verify Affidavit of Completion's.



 OPTIONAL FORM NO. 10
 (REV. 1-80)
 GSA FPMR (41 CFR) 101-11.6
 5010-114

**SITE SPECIFIC
ENVIRONMENTAL ANALYSIS**

RECEIVED

NOV 22 1996

1.0 PROPOSED ACTION

Petroglyph Operating Co., Inc. is proposing to drill oil well #19-06, and construct approximately 380 feet of steel surface production pipeline, and approximately 0.1 mile of access road..

2.0 ALTERNATIVE ACTIONS

- A. **ALTERNATIVE CONSIDERED:** The proposed action is the preferred alternative.
- B. **NO ACTION:** Under the no action alternative the proposed action would not be implemented.
- C. **OTHER:** NA

3.0 PERMITTEE/LOCATION

- A. Permittee- Petroglyph Operating Co., Inc.
- B. Date 10-7-96
- C. Well number- 19-06
- D. Right-of-way-Pipeline R\W approx.380 feet, access road 0.1 mile.
- E. Site location- NENW, Section 19, T5S, R3W, USB&M.

4.0 SITE SPECIFIC SURVEY

A. SITE DESCRIPTION

- 1. Elevation (feet) 6057
- 2. Annual precipitation (inches)- 8-12
- 3. Topography- valley bottom
- 4. Soil- The soil texture is (0 to 6") gravely shale loam with moderate permeability.

B. VEGETATION

- 1. Habitat type is upland shrub.
- 2. Percent Ground Cover- estimated to be 40%.
- 3. Vegetation consists of approximately 20% grasses, 70% shrubs, 10% forbs. The main variety of grasses are squirrel tail, Indian ricegrass, poa, needle & thread, bluebunch wheat, galleta, cheat grass, crested wheat, and blue grama. Forbs are astragalus, mustard, lambs quarter, globemallow, buck wheat, & annuals. Shrubs consist of shadscale, greasewood, big sagebrush, bud sage, snake weed, winter fat.

Cultural Resource Surveys were performed by James A. Truesdale, an Independent Archaeologist.

5.0 ENVIRONMENTAL IMPACTS

A. SURFACE ALTERATIONS

	<u>acres</u>
1. Access road	0.36
2. Well site	1.26
3. Pipeline right-of-way	0.26
4. Corridor right-of-way	0.00
5. Total area disturbed	1.88

B. VEGETATION/LANDSCAPE

1. Production loss (AUM's)/year: 0.12
2. Permanent scar on landscape: Yes x No
3. Potential impacts to Threatened & Endangered species:
Yes No X

C. SOIL/RANGE/WATERSHED

There will be an increase in soil erosion from wind and water. There will not be any possible point source of water pollution.

The area is presently used as rangeland. In recent years the area has been permitted for livestock grazing, but at the present time no permits have been issued for the area. This project will reduce livestock grazing by approximately 0.12 AUM/year.

The area is not used as irrigated cropland and a water right has not been designated for the area.

D. WILDLIFE/THREATENED & ENDANGERED SPECIES

There will be an insignificant reduction of wildlife habitat and grazing for livestock. There will also be an increase in wildlife disturbance and poaching resulting from the additional traffic and people using the area.

There are no known impacts to Threatened or Endangered species but is important habitat for the Ferruginous hawk. The area is important winter range for big game.

Ferruginous Hawks use this area for nesting and hunting. There is an nest in Section 20.

6.0 MITIGATION STIPULATIONS

A. VEGETATION/LANDSCAPE

1. Before the site is abandoned the company will be required to restore the well site and right-of-ways to near their original state. The disturbed area will be reseeded with desirable perennial vegetation.
2. Noxious weeds will be controlled on the well site and rights-of-way. If noxious weeds spread from the project area onto adjoining land, the company will also be responsible for their control.

B. SOILS/RANGE/WATERSHEDS

1. Soil erosion will be mitigated by reseeding all disturbed areas.
2. The pipeline will be constructed to lay on the soil surface, and the right-of-way will not be bladed or cleared of vegetation.

Where pipelines are constructed parallel to roads they may be welded on the road and then lifted from the road onto the right-of-way.

Where pipelines do not parallel roads but cross country between stations, they shall be welded in place at wellsites or on access roads and then pulled between stations with a suitable piece of equipment. Traffic will be restricted along these areas so that the pipeline right-of-way will not be used as an access road.

3. An open drilling system will be used. Reserve pits will be lined with impervious synthetic liners. Prior to backfilling the reserve pit all fluids will be pumped from the pit into trucks and hauled to approved disposal sites. When the reserve pits are backfilled the surplus oil and mud, etc will be buried a minimum of 3.0 feet below the surface of the soil.
4. A closed production system will be used. Production fluids will be contained in leak proof tanks. All production fluids will be disposed of at approved disposal sites. The indiscriminate dumping of production fluids on roads, wellsites or other areas will not be allowed.
5. Although there is a 30 foot right-of-way the bladed area of the access road will be limited to 22 feet in all areas except where deep cuts and fills are required, sharp turns are required, or at the intersections with other roads.

C. WILDLIFE/VEGETATION/THREATENED & ENDANGERED SPECIES

Because the wellsite is located more than 1/2 mile from a Ferruginous hawk nest this wellsite may be constructed and drilled at any time throughout the year.

D. CULTURAL RESOURCES

Cultural resource surveys were performed by James A. Truesdale. The consultant recommends clearance of the project as it is presently staked.

E. UTE TRIBAL REGULATIONS

(1). Prior to commencing surveys or construction on the U&O Indian Reservation the operator, and any of its sub-contractors, shall acquire access permits and business permits from the Ute Indian Tribe.

(2). Prior to the commencement of construction, the operator shall notify the Ute Tribal Department of Energy and Minerals of the date construction shall begin.

7.0 UNAVOIDABLE ADVERSE IMPACTS

A. SURFACE ALTERATIONS

None of the adverse impacts listed in 5.0 above can be avoided in a practical manner except those which are mitigated in item 6.0 above and those specified in BLM's 13 point surface use plan.

B. RELATIONSHIP BETWEEN SHORT-TERM USE OF THE ENVIRONMENT VS LONG TERM PRODUCTIVITY.

1. Short Term: (Estimated 20 years) A total loss of production on the land and the associated environmental impacts will continue to influence the surrounding area for the productive life of the well.
2. Long Term: Standard policies provide for rehabilitation of wellsite and rights-of-ways. After the land is rehabilitated, it is not expected to return to its original productive capability. Normally, there will be a permanent scar left on the landscape.

C. IRREVERSIBLE AND IRRETRIEVABLE COMMITMENT

Oil and Gas are non-renewable resources, once they have been removed they can never be replaced.

8.0 CUMULATIVE IMPACTS

A. FULL DEVELOPMENT

Each additional well drilled for development increases the soil erosion potential, reduces wildlife habitat and grazing, increases potential soil and geologic pollution resulting from salt loading, reduces the soil's potential to recover, and increases the potential of water pollution from produced waters and hydro-carbons. Therefore, strict conformance with the mitigation measures and recommendations in this document is emphasized to minimize the adverse environmental impacts.

9.0 NEPA COMPLIANCE

A. RESEARCH/DOCUMENTATION

Based on available information, 10-17-96, the proposed location in the following areas of environmental impacts has been cleared:

<u>X</u>	Yes	_____	No	Listed Threatened & Endangered species
<u>X</u>	Yes	_____	No	Critical wildlife habitat
<u>X</u>	Yes	_____	No	Historical and cultural resources

10.0 REMARKS

A. SURFACE PROTECTION/REHABILITATION

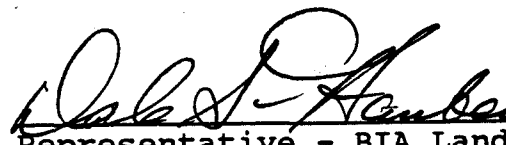
All essential surface protection and rehabilitation requirements are specified above.

11.0 RECOMMENDATIONS

A. APPROVAL/DISAPPROVAL

We recommend approval of the proposed action as outlined in item 1.0 above.

10-17-96
Date


Representative - BIA Land
Operations, Uintah and Ouray
Agency

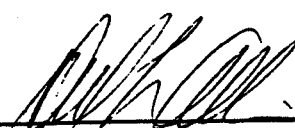
12.0 DECLARATION

A. APPROVAL

It has been determined that the proposed action is not a federal action significantly affecting the quality of the environment as it would require the preparation of an environmental impact statement in accordance with Section 102 (2) (c) of the National Environmental Policy Act of 1969 (42 USC 4331) (2) (C).

10/18/96

Date



Superintendent,
Uintah and Ouray Agency

14.0 CONSULTATION

A. REPRESENTATIVES/ORGANIZATION

Dale Hanberg- BIA
Ed Trotter-Petroglyphs
Lonnie Nephi-UTEM
Stan Olmstead-BLM
B:\EAPetro.196

CONDITIONS OF APPROVAL
APPLICATION FOR PERMIT TO DRILL

Company/Operator: Petroglyph Operating Company Inc.

Well Name & Number: Ute Tribal 19-06

API Number: 43-013-31828

Lease Number: 14-20-H62-3514

Location: SENW Sec. 19 T.5S R. 3W

For more specific details on notification requirements, please check the Conditions of Approval for Notice to Drill and Surface Use Program.

4. Mud Program and Circulating Medium

Hazardous substances specifically listed by the EPA as a hazardous waste or demonstrating a characteristic of a hazardous waste will not be used in drilling, testing, or completion operations.

No chromate additives will be used in the mud system on Federal and Indian lands without prior BLM approval to ensure adequate protection of fresh water aquifers.

5. Coring, Logging and Testing Program

Daily drilling and completion progress reports shall be submitted to this office on a weekly basis.

All Drill Stem tests (DST) shall be accomplished during daylight hours, unless specific approval to start during other hours is obtained from the AO. However, DSTs may be allowed to continue at night if the test was initiated during daylight hours and the rate of flow is stabilized and if adequate lighting is available (i.e., lighting which is adequate for visibility and vaporproof for safe operations). Packers can be released, but tripping should not begin before daylight unless prior approval is obtained from the AO.

A cement bond log (CBL) will be run from the production casing shoe to the top of the cement and shall be utilized to determine the bond quality for the production casing. Submit a field copy of the CBL to this office.

Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (Form 3160-4) will be submitted not later than 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3164. Two copies of all logs, core descriptions, core analyses, well-test data, geologic summaries, sample description, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, will be filed with Form 3160-4. Samples (cuttings, fluids, and/or gases) will be submitted when requested by the AO.

6. Notifications of Operations

No location will be constructed or moved, no well will be plugged, and no drilling or workover equipment will be removed from a well to be placed in a suspended status without prior approval of the AO. If operations are to be suspended, prior approval of the AO will be obtained and notification given before resumption of operations.

Operator shall report production data to MMS pursuant to 30 CFR 216.5 using form MMS/3160.

Immediate Report: Spills, blowouts, fires, leaks, accidents, or any other unusual occurrences shall be promptly reported in accordance with the requirements of NTL-3A or its revision.

If a replacement rig is contemplated for completion operations, a "Sundry Notice" (Form 3160-5) to that effect will be filed, for prior approval of the AO, and all conditions of this approved plan are applicable during all operations conducted with the replacement rig.

The date on which production is commenced or resumed will be construed for oil wells as the date on which liquid hydrocarbons are first sold or shipped from a temporary storage facility, such as a test tank, and for which a run ticket is required to be generated or, the date on which liquid hydrocarbons are first produced into a permanent storage facility, whichever first occurs; and, for gas wells as the date on which associated liquid hydrocarbons are first sold or shipped from a temporary storage facility, such as a test tank, and for which a run ticket is required to be generated or, the date on which gas is first measured through permanent metering facilities, whichever first occurs.

Should the well be successfully completed for production, the AO will be notified when the well is placed in a producing status. Such notification will be sent by telegram or other written communication, not later than five (5) days following the date on which the well is placed on production.

Gas produced from this well may not be vented or flared beyond an initial authorized test period of 30 days or 50 MMCF following its completion, whichever occurs first, without the prior written approval of the Authorized Officer. Should gas be vented or flared without approval beyond the authorized test period, the operator may be directed to shut-in the well until the gas can be captured or approval to continue venting or flaring as uneconomic is granted and the operator shall be required to compensate the lessor for that portion of the gas vented or flared without approval which is determined to have been avoidably lost.

A schematic facilities diagram as required by 43 CFR 3162.7-2, 3162.7-3, and 3162.7-4 shall be submitted to the appropriate District Office within thirty (30) days of installation or first production, whichever occurs first. All site security regulations as specified in Onshore Oil & Gas Order No. 3 shall be adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed in accordance with 43 CFR 3162.7-4.

No well abandonment operations will be commenced without the prior approval of the AO. In the case of newly drilled dry holes or failures, and in emergency situations, oral approval will be obtained from the AO. A "Subsequent Report of Abandonment" Form 3160-5, will be filed with the AO within thirty (30) days following completion of the well for abandonment. This report will indicate where plugs were placed and the current status of surface restoration. Final abandonment will not be approved until the surface reclamation work required by the approved APD or approved abandonment notice has been completed to the satisfaction of the AO or his representative, or the appropriate Surface Managing Agency.

In the event after-hours approvals are necessary, please contact one of the following individuals:

Ed Forsman (801) 789-7077
Petroleum Engineer

Wayne P. Bankert (801) 789-4170
Petroleum Engineer

Jerry Kenzcka (801) 781-1190
Petroleum Engineer

BLM FAX Machine (801) 781-4410

EPA'S LIST OF NONEXEMPT EXPLORATION AND PRODUCTION WASTES

While the following wastes are nonexempt, they are not necessarily hazardous.

Unused fracturing fluids or acids

Gas plant cooling tower cleaning wastes

Painting wastes

Oil and gas service company wastes, such as empty drums, drum rinsate, vacuum truck rinsate, sandblast media, painting wastes, spent solvents, spilled chemicals, and waste acids

Vacuum truck and drum rinsate from trucks and drums, transporting or containing nonexempt waste

Refinery wastes

Liquid and solid wastes generated by crude oil and tank bottom reclaimers

Used equipment lubrication oils

Waste compressor oil, filters, and blowdown

Used hydraulic fluids

Waste solvents

Waste in transportation pipeline-related pits

Caustic or acid cleaners

Boiler cleaning wastes

Boiler refractory bricks

Incinerator ash

Laboratory wastes

Sanitary wastes

Pesticide wastes

Radioactive tracer wastes

Drums, insulation and miscellaneous solids.

SURFACE CONDITIONS OF APPROVAL

The Surface Use Conditions of Approval all come from the Bureau of Indian Affairs Concurrence Memorandum and Site Specific Environmental Analysis.

The Ute Tribe Energy and Mineral Department is to be notified 48 hours prior to construction. A Tribal Technician is to monitor construction.

Fifty (50) foot wide Rights-Of-Way (ROWs) corridor shall be granted for the following:

Access roads which shall have constructed travel width limited to 22 feet, except as granted for sharp curves or intersections.

Surface pipelines shall be limited to 13 feet of the ROW. The pipeline will be constructed to lay on the soil surface, and the ROW for the pipeline will not be bladed or cleared of vegetation.

Where pipelines are constructed parallel to roads they may be welded on the road and then lifted from the road onto the ROW. Where pipelines cross country between stations, they shall be welded in place at wellsites or on roads and then pulled into place with suitable equipment. Traffic will be restricted along these areas so that the pipeline ROW will not be used as an access road.

Buried pipelines shall be buried a minimum of 3 feet below the soil surface within an area of disturbance limited to 15 feet wide, and construction will be monitored by a Tribal Technician.

Buried pipelines adjacent to access roads shall be buried within 1.5 feet from the outside edge of the barrow ditch. Any additional buried pipelines shall be parallel to the outer side of the first buried pipeline and shall be constructed as close to the first pipeline as safety requirements allow.

Petroglyph will assure the Ute Tribe that any/all contractors and subcontractors have acquired a Tribal Business License and have access permits prior to construction.

All vehicular traffic, personnel movement, construction, and restoration activities shall be confined to the areas examined, as referenced in report, and to the existing roadways and/or evaluated access routes.

All personnel should refrain from collecting artifacts and from disturbing any significant cultural resources in the area.

The Ute Tribe Energy & Mineral Department shall be consulted if cultural remains from subsurface deposits are exposed or identified during construction.

Before the site is abandoned, the company will be required to restore the well site and ROWs to near their original state. The disturbed areas will be reseeded with desirable perennial vegetation.

Noxious weeds will be controlled on the well site and rights-of-way. If noxious weeds spread from the project area onto adjoining land, the company will also be responsible for their control.

Reserve pits will be lined with impervious synthetic liners. Prior to backfilling the reserve pit all fluids will be pumped from the pit into trucks and hauled to approved disposal sites. When the reserve pits are backfilled the cuttings and mud, etc. left in them to be buried will be buried a minimum of three feet below the surface of the soil.

A closed production system will be used. Production fluids will be contained in leak proof tanks. All production fluids will be disposed of at approved disposal sites. The indiscriminate dumping of production fluids on roads, wellsites or other areas will not be allowed.

Upon completion of the project approved under this Application for Permit to Drill and Right-of-way, the Ute Tribe Energy & Minerals Resources Department will be notified by Petroglyph Operating Company so that a Tribal Technician can verify Affidavit of Completion's.

CONFIDENTIAL

Date: 5/30/97 Signed: JLT

PETROGLYPH OPERATING COMPANY, INC.

P. O. Box 1839
Hutchinson, Kansas 67504-1839
Tele: (316) 665-8500
Fax: (316) 665-8577

P. O. Drawer 607_
Roosevelt, Utah 84066
Tele: (801) 722-2531
Fax: (801) 722-9145

TELECOPIER TRANSMITTAL SHEET**PRIVILEGED AND CONFIDENTIAL**

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This transmission consists of 3 page(s), including this cover sheet. Please deliver to recipient immediately!

TO: Lisha COMPANY: _____
FROM: L Pearson COMPANY: _____
FAX NUMBER: _____ DATE: 9/9/97

MESSAGE:

Please call me w/ entity #'s
ABAP - Thank you

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING
ENTITY ACTION FORM - FORM 6

OPERATOR Petroglyph Operating Company, Inc.

OPERATOR ACCT. NO. H3800

ADDRESS P.O. Box 607

Roosevelt, UT 84066

ACTION CODE	CURRENT ENTITY NO.	NEW ENTITY NO.	API NUMBER	WELL NAME	WELL LOCATION					SPUD DATE	EFFECTIVE DATE
					QQ	SC	TP	RG	COUNTY		
A	99999	12210	43-013-31828	Ute Tribal 19-06	SEW	19	5S	3W	Duchesne	5-29-97	
WELL 1 COMMENTS:											
Ute Tribal 19-06 will be a tank battery of its own											
WELL 2 COMMENTS:											
WELL 3 COMMENTS:											
WELL 4 COMMENTS:											
WELL 5 COMMENTS:											

ACTION CODES (See instructions on back of form)

- A - Establish new entity for new well (single well only)
- B - Add new well to existing entity (group or unit well)
- C - Re-assign well from one existing entity to another existing entity
- D - Re-assign well from one existing entity to a new entity
- E - Other (explain in comments section)

NOTE: Use COMMENT section to explain why each Action Code was selected.

(3/89)

Deanna K. Bell
Signature Deanna K. Bell

Operations Coordinator 6-3-97
Title Date

Phone No. (801) 722-2531

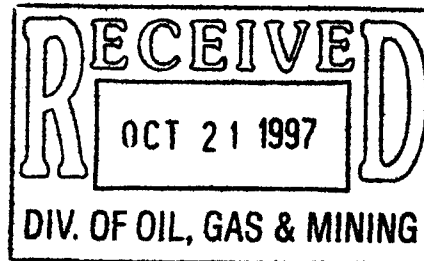
09/09/97 12:56 FAX 801/7229145

++ Lisha Cordova

002

October 15, 1997

Vicky Dyson
State of Utah
Division of Oil, Gas & Mining
1594 W. North Temple, Ste. 1210
Salt Lake City, UT 84114



CONFIDENTIAL

Ms. Dyson:

Enclosed please find the logs listed below for the wells located in Duchesne County, Utah.

<u>Well Name</u>	<u>Log</u>
Ute Tribal 19-06	CNL & AIT
Ute Tribal 16-07	CNL & AIT
Ute Tribal 19-05	CNL & AIT
Ute Tribal 18-11	CNL & AIT
Ute Tribal 15-12	CNL & AIT
Ute Tribal 16-03	CNL & AIT
Ute Tribal 14-05	CNL & AIT
Ute Tribal 19-09	CNL & AIT
Ute Tribal 16-08	CNL & AIT
Ute Tribal 19-04	CNL & AIT
Ute Tribal 07-10	CNL & AIT
Ute Tribal 19-03	CNL & AIT
Ute Tribal 30-10	CNL & AIT
Ute Tribal 30-11	CNL & AIT

43 013 31828 T053 R03W 19

If you need further information, please do not hesitate to call me at 316-665-8500.

Sincerely,

A handwritten signature in cursive script that reads "Judy Gates".

Judy Gates
Petroleum Geology Technician

COMPLETION REPORT

CONFIDENTIAL

9/25/97

Petroglyph Operating Company, Inc.

Operator: Petroglyph Operating Company, Inc.

Elevation: KB 6065

Lease: Ute Tribal 19-06

GL 6055

API #: 43-013-31828

Property: 50122

Location: 19 - 5 S - 3 W

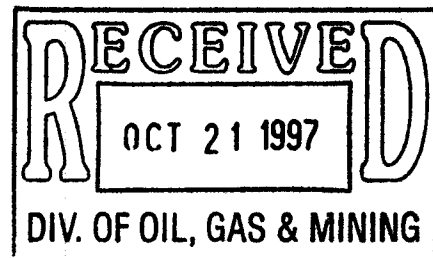
AFE/EPE Number: 41240

County, St.: Duchesne UT

Activity Date	Daily Cost	Activity Description
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6/23/97	\$3,674.00	
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MIRU Betts Well Service Rig #1. Spot in pump, tank & equipment. RU pump & lines. NU frac head & BOPs. Test csg to 4500 psi. PU tally & RIH w/ 2-7/8" tbg & 5½" BVBP to 5414'. Set BVBP & POOH to 5340' & SWIFN.



COMPLETION REPORT

9/25/97

Petroglyph Operating Company, Inc.

Operator: Petroglyph Operating Company, Inc.

Elevation: KB 6065

Well: Ute Tribal 19-06

GL 6055

County, St.: Duchesne UT

Activity Date	Daily Cost	Activity Description
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6/24/97	\$46,014.00	PERFORATIONS:
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5280-5284	Green River E (02)	4 SPF	16 shots
4854-4862	Green River D (05)	4 SPF	32 shots
4571-4576	Green River C (09.2)	4 SPF	20 shots

Open well RU pump & spot 6 bbls 15% HC @ E2 interval & POOH w/ ret head.

RU Schlumberger & perf E2 zone @ 5280 - 5284' w/ 4 spf (16 holes). Breakdown E2 perfs @ 2090 psi. Inj rate @ 17 bpm @ 2170 psi. Frac E2 zone w/ 5684 gal Boragel 30 w/ 28500# 20/40 sand @ .5 to 10 ppg. Well screen out to 4500 psi w/ 16300# 20/40 sand in frmn @ .5 to 6 ppg. MTP @ 4500 psi. ATP @ 2500 psi. MTR @ 21.4 bpm. ATR @ 20.3 bpm. No ISIP due to screen out. Flow E2 zone to tank @ ± 60 bph to 0 psi. Flowed 60 bbls. RIH w/ ret head to 3800' & circ clean. RIH to 4432' & circ clean. Finish RIH 4993' & circ clean. Attempt to test sand plug. Would not hold pressure. Spot 6 bbls 15% HCl @ D5 interval & POOH w/ tbg.

RU Schlumberger & set RBP @ 4950' & test to 3000 psi. Perforate D5 zone @ 4854 - 4862 w/ 4 spf (32 holes). Could not breakdown. RIH & spot HCl @ perfs w/ dump bailer & break down @ 2800 psi. Frac D5 zone w/ 8908 gal Boragel 30 w/ 50800# 20/40 sand @ .5 to 10 ppg. MTP @ 3000 psi. ATP @ 2550 psi. MTR @ 26.7 bpm. ATR @ 25.7 bpm. ISIP @ 2820 psi. 5 min @ 2675 psi. PFG @ 1.01. Lubricate in well w/ RBP & perf gun. Set RBP @ $\pm 4660'$ & test to 3000 psi.

Perforate C9.2 zone @ 4571 - 4576 w/ 4 spf (20 holes). Attempt to breakdown w/ K wtr. No break @ 3000 psi. Spot HCl @ perfs w/ dump bailer. Pump into formation @ .5 bpm @ 3000 psi. Raised to 1 bpm @ 4000 psi. Would not break back. Spot HCl @ perfs w/ dump bailer again & perfs broke down @ 2800 psi.

RU & frac C9.2 zone w/ 6373 gal Boragel 30 w/ 28500# 20/40 sand @ .5 to 10 ppg. MTP @ 3720 psi. ATP @ 3050 psi. MTR @ 22.5 bpm. ATR @ 20.1 bpm. ISIP @ 3480 psi. 5 min @ 2902 psi. PFG @ 1.19. Flow C9.2 zone to tank @ 5 min @ ± 60 bph to 0 psi. Flowed 50 bbls to 0 psi. TWR flowing @ 100 bbls. Displaced 20 bbls. TWR @ 130 bbls.

STIMULATION TREATMENT:

FLUID:

Fluid Task	Fluid Type	Amount	Unit
frac fluid	Boragel 30	5684	gal

PROPPANT:	Type	Total Lbs: Ramp Range
	20/40 sand	28500

PRESSURE/RATE:

Maximum:	4500 psi	21.4 BPM
Average:	2500 psi	20.3 BPM

STIMULATION TREATMENT:

COMPLETION REPORT

9/25/97

Petroglyph Operating Company, Inc.

Operator: Petroglyph Operating Company, Inc.

Elevation: KB 6065

Well: Ute Tribal 19-06

GL 6055

County, St.: Duchesne UT

Activity Date Daily Cost Activity Description

FLUID:

Fluid Task	Fluid Type	Amount	Unit
frac fluid	Boragel 30	8908	gal

PROPPANT:	Type	Total Lbs: Ramp Range
	20/40 sand	50800

PRESSURE/RATE:

Maximum:	3000 psi	26.7 BPM
Average:	2550 psi	25.7 BPM

SI PRESSURE:

	TP	CP
ISIP:	2820	
5 Min:	2675	

STIMULATION TREATMENT:

FLUID:

Fluid Task	Fluid Type	Amount	Unit
frac fluid	Boragel 30	6373	gal

PROPPANT:	Type	Total Lbs: Ramp Range
	20/40 sand	28500

PRESSURE/RATE:

Maximum:	3720 psi	22.5 BPM
Average:	3050 psi	20.1 BPM

SI PRESSURE:

	TP	CP
ISIP:	3480	
5 Min:	2902	

FLUID RECOVERY

ZONE BLF:	919
ZONE BLFR:	130
ZONE BLFTR:	789
ZONE % REC:	14.1%
WELL BLF:	919
WELL BLFR:	130
WELL BLFTR:	789
WELL % REC:	14.1%

COMPLETION REPORT

9/25/97

Petroglyph Operating Company, Inc.

Operator: Petroglyph Operating Company, Inc.

Elevation: KB 6065

Well: Ute Tribal 19-06

GL 6055

County, St.: Duchesne UT

Activity Date	Daily Cost	Activity Description
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6/25/97	\$1,701.00	PERFORATIONS:
		5280-5284 Green River E (02) 4 SPF 16 shots
		4854-4862 Green River D (05) 4 SPF 32 shots
		4571-4576 Green River C (09.2) 4 SPF 20 shots
		WELLBORE:
		5830 RTD

Open well w/ E2 & D5 zones isolated & C9.2 zone fracd & flowed to 0 psi yesterday. Thi a.m. SICP @ 0 psi. RIH w/ ret head & tag sand W 4568'. Clean out to RBP @ 4660'. Rel & POOH w/ RBO. RIH w/ ret head & tag sand @ 4791'. Clean out to RBO @ 4950'. Rel RBP & POOH. RIH w/ ret head & tag sand @ 5176'. Clean out to 5400'. POOH to 4494' & SWIFN. Displaced ±30 bbls while tripping pipe.

FLUID RECOVERY

ZONE BLF:	919
ZONE BLFR:	160
ZONE BLFTR:	759
ZONE % REC:	17.4%
WELL BLF:	919
WELL BLFR:	160
WELL BLFTR:	759
WELL % REC:	17.4%

COMPLETION REPORT

9/25/97

Petroglyph Operating Company, Inc.

Operator: Petroglyph Operating Company, Inc.

Elevation: KB 6065

Well: Ute Tribal 19-06

GL 6055

County, St.: Duchesne UT

Activity Date	Daily Cost	Activity Description
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6/26/97

\$1,391.00

PERFORATIONS:

5280-5284	Green River E (02)
4854-4862	Green River D (05)
4571-4576	Green River C (09.2)

4 SPF 16 shots

4 SPF 32 shots

4 SPF 20 shots

WELLBORE:

5830	RTD
------	-----

Open well w/ E2, D5 & C9.2 zones fracd but not swabbed yesterday. This a.m. SICP @ 0 psi. SITP @ 0 psi. RU & swab well. Made 18 runs in 6 hrs. IFL @ surf. Trace of oil on run #3 & increased to 50% on last run. TWR @ 110 bbls. TOR @ 8 bbls. FFL @ 1400'. RD swab. RIH & tag sand @ 5379'. Clean out to BVBP @ 5414'. Rel BVBP & POOH to 4481'. Test BVBP to 2500 psi & SWIFN.

FLUID RECOVERY

ZONE BLF:	919
ZONE BLFR:	270
ZONE BLFTR:	649
ZONE % REC:	29.4%
WELL BLF:	919
WELL BLFR:	270
WELL BLFTR:	649
WELL % REC:	29.4%

COMPLETION REPORT

9/25/97

Petroglyph Operating Company, Inc.

Operator: Petroglyph Operating Company, Inc.

Well: Ute Tribal 19-06

County, St.: Duchesne UT

Elevation: KB 6065

GL 6055

Activity Date	Daily Cost	Activity Description
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6/27/97

\$47,988.00

PERFORATIONS:

5280-5284	Green River E (02)	4 SPF	16 shots
4854-4862	Green River D (05)	4 SPF	32 shots
4571-4576	Green River C (09.2)	4 SPF	20 shots
4456-4463	Green River C (06.1)	4 SPF	28 shots
4354-4364	Green River C (05.2)	4 SPF	40 shots
4240-4244	Green River C (03)	4 SPF	16 shots

Open well w/ BVBP set @ 4481' above all zones. SICP @ 0 psi. SITP @ 0 psi. POOH to EOT @ 4473'. Spot 6 bbls 15% HCl @ C6.1 interval & POOH w/ ret head. RU Schlumberger & perf C6.1 zone @ 4456 - 4463 w/ 4 spf (28 holes). RU HES & breakdown C6.1 zone @ 3100 psi. Pump HCl away & frac C6.1 zone w/ 7808 gal Boragel 30 w/ 41900# 20/40 sand @ .5 to 10 ppg. MTP @ 2270 psi. ATP @ 2750 psi. MTR @ 26.7 bpm. ATR @ 25.4 bpm. ISIP @ 3008 psi. 5 min @ 2699 psi.

Lubricate in well w/ RBP & perf gun. Set RBP @ 4430' & test to 3000 psi. Perf C5.2 zone @ 4354 - 4364 w/ 4 spf (40 holes). Attempt to break @ 3000 psi. Failed. spot HCl @ perfs w/ bailer & break down @ 2300 psi. Frac C5.2 zone w/ 250 gal 15% HCl & 8700 gal Boragel 30 w/ 51800# 20/40 sand @ .5 to 10 ppg. MTP @ 3100 psi. ATP @ 2480 psi. MTR @ 27 bpm. ATR @ 26.2 bpm. ISIP @ 3100 psi. 5 min @ 2480 psi. PFG @ 1.

Lubricate in well w/ RBP & perf gun. Set RBP @ 4300' & test to 3000 psi. Perf C3 zone @ 4240 - 4244 w/ 4 spf (16 holes). Attempt to breakdown @ 3000 psi. Failed. Spot HCl @ perfs w/ dump bailer. No breakdown. RBP started leaking from below. Flowing back C5.2 frac. Hook up & flow C5.2 zone to tank past RBP @ ± 1 bpm. Flowed 55 bbls to 0 psi.

RIH & set RBP @ 4300'. (1 st plug @ 4300' went down hole). Test to 3000 psi & holding. Spot HCl @ perfs w/ dump bailer & break down @ 3000 psi. Very tight. RU HES & attempt to break perfs. Got good break after surging well. Frac C3 zone w/ 250 gal 15% hcl & 5500 gal Boragel 30 w/ 28500# 20/40 sand @ .6 to 10 ppg. MTP @ 3600 psi. ATP @ 3000 psi. MTR @ 24 bpm. ATR @ 20.4 bpm. ISIP @ 3308 psi. 5 min @ 3227 psi. Flow C3 zone to tank @ ± 60 bph to 0 psi. Flowed 97 bbls. SWIFN.

STIMULATION TREATMENT:

FLUID:

Fluid Task	Fluid Type	Amount	Unit
frac fluid	Boragel 30	7808	gal

PROPPANT:

Type
20/40 sand

Total Lbs: Ramp Range
41900

PRESSURE/RATE:

Maximum:	3370 psi	26.7 BPM
Average:	2750 psi	25.4 BPM

COMPLETION REPORT

9/25/97

Petroglyph Operating Company, Inc.

Operator: Petroglyph Operating Company, Inc.

Elevation: KB 6065

Well: Ute Tribal 19-06

GL 6055

County, St.: Duchesne UT

Activity Date	Daily Cost	Activity Description
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SI PRESSURE:

TP CP

ISIP:

3008

5 Min:

2699

STIMULATION TREATMENT:

FLUID:

Fluid Task	Fluid Type
frac fluid	Boragel 30

Amount	Unit
8700	gal

PROPPANT: Type
20/40 sand

Total Lbs: Ramp Range
51800

PRESSURE/RATE:

Maximum: 3100 psi

27 BPM

Average: 2480 psi

26.2 BPM

SI PRESSURE:

TP CP

ISIP:

3100

5 Min:

2480

STIMULATION TREATMENT:

FLUID:

Fluid Task	Fluid Type
frac fluid	Boragel 30

Amount	Unit
5500	gal

PROPPANT: Type
20/40 sand

Total Lbs: Ramp Range
28500

PRESSURE/RATE:

Maximum: 3600 psi

24 BPM

Average: 3000 psi

20.4 BPM

SI PRESSURE:

TP CP

ISIP:

3308

5 Min:

3227

FLUID RECOVERY

ZONE BLF: 967

ZONE BLFR: 152

ZONE BLFTR: 815

ZONE % REC: 15.7%

COMPLETION REPORT

9/25/97

Petroglyph Operating Company, Inc.

Operator: Petroglyph Operating Company, Inc.

Elevation: KB 6065

Well: Ute Tribal 19-06

GL 6055

County, St.: Duchesne UT

Activity Date	Daily Cost	Activity Description
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WELL BLF:	1886
WELL BLFR:	422
WELL BLFTR:	1464
WELL % REC:	22.4%

6/28/97 \$1,740.00

Open well w/ C3 zone open & C5.2 & C6.1 zones w/ plugs above. SICP @ 500 psi. Bleed off csg. RIH w/ ret head & tag sand @ 4265'. Clean out to RBP @ 4300'. Rel RBP & POOH. RIH w/ ret head & tag plug @ 4353'. Clean out to RBP @ 4417'. Rel RBP & POOH. RIH w/ ret head & tag sand @ 4500'. POOH w/ EOT @ 4182'. RU & swab well. Made 2 runs. IFL @ surf. FFL @ 500'. RWR @ 13 bbls. Note: Displaced ±30 bbls while running tbg.

FLUID RECOVERY

ZONE BLF:	967
ZONE BLFR:	195
ZONE BLFTR:	772
ZONE % REC:	20.2%
WELL BLF:	1886
WELL BLFR:	465
WELL BLFTR:	1421
WELL % REC:	24.7%

6/30/97 \$1,523.00

Open well w/ C3, C5.2 & C6.1 zones open & swabbed to 500' yesterday. This a.m. SICP @ 200 psi. SITP @ 200 psi. RU to swab well. Well flowing @ ±5 bph, then dead @ ±1 hr. Made 17 runs. IFL @ surf. oil cut @ 2% on Run #1 & increased to 45% on last run. FFL @ 900'. TWR @ 133 bbls. TOR @ 27 bbls. SWIFN.

FLUID RECOVERY

ZONE BLF:	967
ZONE BLFR:	328
ZONE BLFTR:	639
ZONE % REC:	33.9%
WELL BLF:	1886
WELL BLFR:	598
WELL BLFTR:	1288
WELL % REC:	31.7%

COMPLETION REPORT

9/25/97

Petroglyph Operating Company, Inc.

Operator: Petroglyph Operating Company, Inc.

Elevation: KB 6065

Well: Ute Tribal 19-06

GL 6055

County, St.: Duchesne UT

Activity Date	Daily Cost	Activity Description
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7/1/97

\$6,414.00

PERFORATIONS:

5280-5284	Green River E (02)	4 SPF	16 shots
4854-4862	Green River D (05)	4 SPF	32 shots
4571-4576	Green River C (09.2)	4 SPF	20 shots
4456-4463	Green River C (06.1)	4 SPF	28 shots
4354-4364	Green River C (05.2)	4 SPF	40 shots
4240-4244	Green River C (03)	4 SPF	16 shots

WELLBORE:

5830 RTD

Open well w/ C6.1, C5.2 & C3 zones open & swabbed to 900' & MOC @ 45% yesterday. This a.m., SICP @ 300 psi. SITP @ 300 psi & well trying to flow. RU & kill well w/ K wtr. Clean out to BVBP @ 4530'. Rel BVBP & POOH to 4000' & reset BVBP. Test to 2000 psi. Spot 10 gal sand on plug & POOH w/ ret head. RU & RIH w/ port collar set tool to $\pm 1256'$. Open port collar & break circ. RU HES & cement to surf w/ 125 sx HiFill (@ 11 ppg & 3.79 cuft/sk). RIH w/ ret head to 1903' & circ well w/ hot K wtr to set up cement (2 hrs). POOH & load hole w/ K wtr. SWIFN.

FLUID RECOVERY

ZONE BLF:	967
ZONE BLFR:	328
ZONE BLFTR:	639
ZONE % REC:	33.9%
WELL BLF:	1886
WELL BLFR:	598
WELL BLFTR:	1288
WELL % REC:	31.7%

COMPLETION REPORT

9/25/97

Petroglyph Operating Company, Inc.

Operator: Petroglyph Operating Company, Inc.

Elevation: KB 6065

Well: Ute Tribal 19-06

GL 6055

County, St.: Duchesne UT

Activity Date	Daily Cost	Activity Description
---------------	------------	----------------------

7/3/97	\$23,675.00	PERFORATIONS:
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5280-5284	Green River E (02)	4 SPF	16 shots
4854-4862	Green River D (05)	4 SPF	32 shots
4571-4576	Green River C (09.2)	4 SPF	20 shots
4456-4463	Green River C (06.1)	4 SPF	28 shots
4354-4364	Green River C (05.2)	4 SPF	40 shots
4240-4244	Green River C (03)	4 SPF	16 shots

WELLBORE:

5830 RTD

Open well w/ RBP set above all zones. SICP @ 0 psi. RU Schlumberger & attempt to run CBLL. Could not get below 1230'. POOH w/ wireline. RIH w/ 2-7/8" tbg & 4-3/4" bit to 1500 psi. did not feel anything in csg. POOH w/ bit. RIH w/ wireline & run CBL from 1300' to surf. CBL shows gas cut cement. RD wireline. Check annulus psi @ 125 psi & bleeds off very fast. RIH w/ ret head & retrieve BVBP @ 4000'. POOH & LD BVBP. RIH w/ BHA to ±5350'. ND BOPs & frac head. NU prod'n head & set B2TAC w/ ±10000# tension. PU & prime pump & RIH. Seat & space out pump. Load tbg w/ 5 bbls K wtr. Stroke test to 500 psi. SWI. Rack up pump & lines. Will RD unit on 7/7/97 & move to Duchesne. TWTR @ 1288 bbls. FINAL REPORT.

TUBING DETAIL

	LENGTH	DEPTH
KB	10.00	
2-7/8" 6.5# J-55 tbg (133 jts)	4144.13	4154.13
B2 Anchor (2-7/8 x 15.5#)	2.66	
2-7/8" 6.5# J-55 tbg (35 jts)	1089.01	5245.80
2-7/8" PSN	1.20	
2-7/8" 6.5# J-55 tbg (1 jt)	32.28	
2-7/8" Mech SN	.80	
2-7/8" 6.5# J-55 Perf Sub	6.07	
2-7/8" 6.5# J-55 tbg (2 jts)	63.51	
2-7/8" Collar Plug	.67	
EOT		5350.33

ROD DETAIL

1½ x 22' PR w/ liner
 7/8" x 2' Pony Rod
 7/8" x 4' Pony Rod
 7/8" x 8' Pony Rod
 7/8" Slick Rods - Norris Grade D (72)
 3/4" Slick Rods - Norris Grade D (126)
 3/4" Guided Rods - Norris Grade D (11) *
 2½ x 1-3/4 x 16 40 Ring PA

COMPLETION REPORT

9/25/97

Petroglyph Operating Company, Inc.

Operator: Petroglyph Operating Company, Inc.

Elevation: KB 6065

Well: Ute Tribal 19-06

GL 6055

County, St.: Duchesne UT

Activity Date	Daily Cost	Activity Description
---------------	------------	----------------------

* Every 4th rod from pump is guided

Cumulative Cost: \$134,120.00

Days Since Start: 11

FORM 7

STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

REPORT OF WATER ENCOUNTERED DURING DRILLING

1. Well name and number: Petroglyph NTE Tribal 19-06API number: 43-013-318282. Well Location: QQ SENE Section 19 Township 5 Range 3 County Duchesne3. Well operator: Petroglyph Operating Company, Inc.Address: P.O. Box 607Roosevelt, UT 84066Phone: (801) 722-25314. Drilling contractor: Union DrillingAddress: P.O. Drawer 40Buckhannon, WV 26201Phone: (304) 472-4610

5. Water encountered (attach additional pages as needed):

DEPTH		VOLUME (FLOW RATE OR HEAD)	QUALITY (FRESH OR SALTY)
FROM	TO		
122	144	1/4" stream dash	
205	236	1"	Fresh
	764	Switch over to Air & foam damp	
	1182	1/2"	
	998	Blow test	No show

6. Formation tops:

If an analysis has been made of the water encountered, please attach a copy of the report to this form.

I hereby certify that this report is true and complete to the best of my knowledge.

Date: 6/2/97Name & Signature: Lisha BellTitle: Operations Coordinator

SUBMIT IN DUPLICATE
(See other instructions on
reverse side)

Form approved.
Budget Bureau No. 1004-0137
(Expires August 31, 1985)

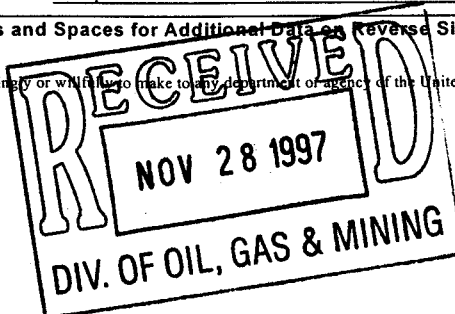
UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

1. a. TYPE OF WELL: Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Dry <input type="checkbox"/> Other <input type="checkbox"/>		7. UNIT AGREEMENT NAME 14-20-H62-4650	
b. TYPE OF COMPLETION: New Well <input checked="" type="checkbox"/> Workover <input type="checkbox"/> Deepen <input type="checkbox"/> Plug Back <input type="checkbox"/> Diff. Reserv. <input type="checkbox"/> Other <input type="checkbox"/>		8. FARM OR LEASE NAME	
2. NAME OF OPERATOR Petroglyph Operating Company, Inc.		9. WELL NO. Ute Tribal 19-06	
3. ADDRESS OF OPERATOR P.O. Box 607, Roosevelt, UT 84066 (801) 722-2531		10. FIELD AND POOL, OR WILDCAT Antelope Creek	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At surface 1980' FNL 1980' FWL At top prod. interval reported below At total depth 5830' RTD		11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA SENW Sec. 19-T5S-R3W	
15. DATE SPUDDED 5/28/97		16. DATE T.D. REACHED 6/5/97	17. DATE COMPLETED (Ready to prod.) 7/3/97
20. TOTAL DEPTH, MD & TVD 5830' RTD		21. PLUG BACK T.D., MD & TVD 5772'	22. IF MULTIPLE COMPL., HOW MANY*
24. PRODUCING INTERVAL(S) OF THIS COMPLETION -- TOP, BOTTOM, NAME (MD AND TVD)* Green River		25. WAS DIRECTIONAL SURVEY MADE	
26. TYPE ELECTRIC AND OTHER LOGS RUN CNL, ALT 10-22-97		27. WAS WELL CORED	
28. CASING RECORD (Report all strings set in well)			
CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE
8-5/8"	24#	401'	12-1/4"
5-1/2"	15-5#	5818'	7-7/8"
		325 sxs Thixotropic	
29. LINER RECORD			
SIZE	TOP	BOTTOM (MD)	SACKS CEMENT*
30. TUBING RECORD			
SIZE	DEPTH SET (MD)	PACKER SET (MD)	
2-7/8"	5641'		
31. PERFORATION RECORD (Interval, size and number)			
E2	5280-84 (16 shots)		
D5	4854-62 (32 shots)		
C9.2	4571-76 (20 shots)		
C6.1	4456-63 (28 shots)		
C5.2	4354-64 (40 shots)		
C3	4240-44 (16 shots)		
32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.			
DEPTH INTERVAL (MD)		AMOUNT AND KIND OF MATERIAL USED	
5280-84		5684 gal Boragel, 28500# 20/40 prop	
4854-62		8908 gal Boragel, 50800# 20/40 prop	
4571-76		6373 gal Boragel, 28500# 20/40 prop	
4456-63		7808 gal Boragel, 41900# 20/40 prop	
4354-64		250 gal HCl & 8700 al Boragel, 51800# 20/40 prop	
33. PRODUCTION			
DATE FIRST PRODUCTION 7/19/97		PRODUCTION METHOD (Flowing, gas lift, pumping - size and type of pump) 2 1/2" x 1-3/4" x 16' 40 ring pump	
DATE OF TEST 7/25/97		WELL STATUS (Producing or shut-in) producing	
HOURS TESTED 24	CHOKE SIZE	PROD'N FOR TEST PERIOD	GAS - MCF. 0
FLOW. TUBING PRESS.	CASING PRESSURE 1000	CALCULATED 24 HR. RATE	GAS - MCF. 0
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)		TEST WITNESSED BY Dave Schreiner	
35. LIST OF ATTACHMENTS			
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records			
Signed <u>Neena Bell</u>		Title <u>Operations Coordinator</u>	
		Date <u>11-25-97</u>	

*(See Instructions and Spaces for Additional Data on Reverse Side)

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly or willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.



CONFIDENTIAL

WELL COMPLETION 19-06

(continued)

32.

4240-44

250 gal HCl & 5500 gal Boragel, 28500# 20/40 sand

CONFIDENTIAL

37. SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof; cored intervals; and all drill-stem, tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries):

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.
B Marker	3634		<div>CONFIDENTIAL</div>
X Marker	4117		
Y Marker	4154		
Douglas Creek	4258		
B Limestone	4640		
Castle Peak	5211		
Basal Carbonate	5628		

38. GEOLOGIC MARKERS

NAME	TOP	
	MEAS. DEPTH	TRUE VERT. DEPTH

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.

Use "APPLICATION FOR PERMIT" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

Petroglyph Operating Company, Inc.

3. Address and Telephone No.

P.O. Box 1839, Hutchinson, KS 67504-1839; (316) 665-8500

4. Location of Well (Footage, Sec., T., R., or Survey Description)

1980' FNL 1980' FWL
SENW Sec. 19-T5S-R3W

FORM APPROVED

Budget Bureau No. 1004-0135

Expires March 31, 1993

5. Lease Designation and Serial No.

14-20-H62-3514

6. If Indian, Allottee or Tribe Name

Ute Indian Tribe

7. If Unit or CA, Agreement Designation

14-20-H62-4650

8. Well Name and No.

Ute Tribal 19-06

9. API Well No.

43-013-31828

10. Field and Pool, or Exploratory Area

Antelope Creek

11. County or Parish, State

Duchesne County, UT

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

☐ Notice of Intent
☒ Subsequent Report
☐ Final Abandonment Notice

TYPE OF ACTION

☐ Abandonment
☐ Recompletion
☐ Plugging Back
☐ Casing Repair
☐ Altering Casing
☒ Other - Reperforate & Acidize

☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut-Off
☐ Conversion to Injection
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Petroglyph Operating Company, Inc. would like to notify by subsequent report that the above referenced well had the following work performed on February 18-23, 2000.

Reperforate zones 4853-65, 4356-67, & 4351-54 w/ 4-spf 120 deg. Phasing.

Acidize - 4750 gallons 7 1/2% FE HCL w/ additives.

Squeeze well w/ 2 bbls T229 scale inhibitor & return to pump.

RECEIVED

FEB 23 2000

DIVISION OF
OIL, GAS AND MINING

14. I hereby certify that the foregoing is true and correct.

Signed Mark Smith Title Operations Coordinator

Date 2-23-00

(This space for Federal or State official use)

Approved by _____ Title _____

Date _____

Conditions of Approval, if any:

(June 1990)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUNDRY NOTICES AND REPORTS ON WELLS

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Use "APPLICATION FOR PERMIT" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

Petroglyph Operating Company, Inc.

3. Address and Telephone No.

P.O. Box 1839, Hutchinson, KS 67504-1839; (316) 665-8500

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Ute Tribal 19-06

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(Note: Report results of multiple completion on Well

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Reperforate zones 4853-65, 4356-67, & 4351-54 w/ 4-spf 120 deg. Phasing.

Acidize - 4750 gallons 7 1/2% FE HCL w/ additives.

Squeeze well w/ 2 bbls T229 scale inhibitor & return to pump.

RECEIVED

APR 26 2000

DIVISION OF
OIL, GAS AND MINING

14. I hereby certify that the foregoing is true and correct

Signed Mardo Smith Title Operations Coordinator

Date 2-23-00

(This space for Federal or State official use)

Approved by _____ Title _____

Date _____

Conditions of Approval, if any:

WTR
5-2-00

WORKOVER REPORT

4/6/00

Petroglyph Operating Co., Inc.

Type: re-perf zone

Operator:	Petroglyph Operating Company, Inc.	Elevation:	KB 6065
Lease:	Ute Tribal 19-06		GL 6055
API #:	43-013-31828	Property:	50122
Location:	19 - 5 S - 3 W	AFE/EPE Number:	41240
County, St.:	Duchesne UT		

Activity Date	Daily Cost	Activity Description
---------------	------------	----------------------

2/18/00	\$3,006.00	
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9 AM MIRU. Remove horse head & unseat pump. LD pony rods & 2 7/8" rods. Flush tbg w/ 35 bbls treated wtr. PU 2 7/8" rod s& pony rods. Reseat pump & load tbg w/ 15 bbls. Test tbg to 500 psi. Unseat pump POOH inspect rods & change out bad 3/4" boxes. LD 8 3/4" rods (7 slick & 1 guided), 5 slick 3/4" rods @ 3000-3125', 1 guided 3/4" rod & 2 slick 3/4" rods @ 4800-4875'. LD pump #2102. ND well head & prod. Chang over to tbg. Release B2 TAC w/ 5 1/2 turns. NU BOP & RU floor. PU & RIH w/ 1 jt 2 7/8" tbg. POOH w/ 1 jt tbg & POOH 2 7/8" prod. Strap out. LD 5 1/2" B2 & gas anchor. No sign of scale on tbg or gas anchor. Secure well @ 5:30 PM. 70 bbls treated wtr pumped.

2/19/00	\$4,121.00	
---------	------------	--

PERFORATIONS:

5280-5284	Green River E (02)	4 SPF	16 shots
4853-4865	Green River D (05)	4 SPF	48 shots
4571-4576	Green River C (09.2)	4 SPF	20 shots
4456-4463	Green River C (06.1)	4 SPF	28 shots
4356-4367	Green River C (05.2)	4 SPF	44 shots
4351-4354	Green River C (05.2)	4 SPF	12 shots
4240-4244	Green River C (03)	4 SPF	16 shots

7 AM open well & bleed off. RU Schlumberger & perf D5 @ 4853-65' w/ 4 spf; C5.2 @ 4556-67 w/ 4 spf & 4351-54 w/ 4 spf. RD Schlumberger. PU & RIH 5 1/2" BVBP & RTTS. Set BV @ 5325' & RTTS @ 5300'. Load & test tbg to 3000 psi. Release RTTS & POOH above perfs. Secure well & drain up pump & lines. 15 bbls pumped today, 85 bbls accumulated.

RECEIVED
APR 26 2000
DIVISION OF
OIL, GAS AND MINING

WORKOVER REPORT

4/6/00

Petroglyph Operating Co., Inc.

Operator: Petroglyph Operating Company, Inc.

Elevation: KB 6065

Well: Ute Tribal 19-06

GL 6055

County, St.: Duchesne UT

Activity Date Daily Cost Activity Description

2/21/00 \$23,686.00

7 AM open well & RIH w/ RTTS. Perform acid & chem on the following zones:

E2	BV @ 5335'	RTTS @ 5204'	Avg. Rate @ 3 BPM @ 2100 psi 500 gal
D5	BV @ 5938'	RTTS @ 4714'	Avg. Rate @ 4.1 BPM @ 2200 psi 1000 gal
C9.2	BV @ 4659'	RTTS @ 4497'	Avg. Rate @ 2.4 BPM @ 2600 psi 500 gal
C6.1	BV @ 4535'	RTTS @ 4386'	Avg. Rate @ 2.6 BPM @ 2000 psi 750 gal
C5.2	BV @ 4409'	RTTS @ 4275'	Avg. Rate @ 3 BPM @ 1800 psi 1500 gal
C3	BV @ 4313'	RTTS @ 4120'	Avg. Rate @ 1.7 BPM @ 2900 psi 500 gal

POOH w/ BVBP & RTTS. Secure well @ 5:30 PM. E2 & D5 zones were very loose & took fluid after each BP move. Each zone had a break during jobs.

STIMULATION E2 5280-84'

TREATMENT

Fluid task: 7 1/2% FeHCl

Fluid volume: 500 gal

TREATING PRESSURE

Maximum: 2497 psi @ 2.5 BPM

Average: 2100 psi @ 2.5 BPM

SI PRESSURE

ISIP: 1955

5 min: 333

Additives: Targon II Technihib 5116

Displ. Volume: 31.97

Fract. Gradient: .80

Treatment Avg. rate after fluid caught press brk 2497-2480

Remarks:

at job end see 7 min SI well went on a vac & took

fluid each time BP was moved.

STIMULATION D5 4853-65'

TREATMENT

Fluid task: 7 1/2% FeHCl

Fluid volume: 1000 gal

TREATING PRESSURE

Maximum: 2400 psi @ 3 bpm

Average: 1800 psi @ 3 bpm

SI PRESSURE

ISIP: 1780

5 min: 872

10 min: 397

15 min: 97

Additives: same

Displ. Volume: 30.9

Fract. Gradient: .79

RECEIVED

APR 26 2000

DIVISION OF
OIL, GAS AND MINING

WORKOVER REPORT

4/6/00

Petroglyph Operating Co., Inc.

Operator: Petroglyph Operating Company, Inc.

Elevation: KB 6065

Well: Ute Tribal 19-06

GL 6055

County, St.: Duchesne UT

Activity Date Daily Cost Activity Description

TREATMENT Break @ leed of job 164-143
REMARKS:

STIMULATION C9.2 4571-76'
TREATMENT

Fluid task: 7 1/2% FeHCl

Fluid volume: 500 gal

TREATING PRESSURE

Maximum: 2983 psi @ 2.5 BPM

Average: 2700 psi @ 1.7 BPM

SI PRESSURE

ISIP: 2783

5 min: 2043

10 min: 1549

15 min: 1230

Additives: same

Displ. Volume: 27.94

Fract. Gradient: .65

STIMULATION C6.1 4456-63'
TREATMENT

Fluid task: 7 1/2% FeHCl

Fluid volume: 500 gal

TREATING PRESSURE

Maximum: 2440 psi @ 3.0 BPM

Average: 2200 psi @ 2.5 BPM

SI PRESSURE

ISIP: 2224

5 min: 1598

10 min: 1191

15 min: 836

additives: same

Displ. Volume: 27.24

Fract. Gradient: .93

STIMULATION C5.2 4351-55'
TREATMENT

Fluid task: 7 1/2 % FeHCl

Fluid volume: 1500 gal

TREATING PRESSURE

Maximum: 2800 psi @ 4.0 BPM

Average: 2000 psi @ 3.0 BPM

SI PRESSURE

ISIP: 1970

5 min: 1366

10 min: 855

15 min: 502

RECEIVED

APR 26 2000

**DIVISION OF
OIL, GAS AND MINING**

WORKOVER REPORT

4/6/00

Petroglyph Operating Co., Inc.

Operator: Petroglyph Operating Company, Inc.

Elevation: KB 6065

Well: Ute Tribal 19-06

GL 6055

County, St.: Duchesne UT

Activity Date	Daily Cost	Activity Description
---------------	------------	----------------------

Additives:	same
Displ. Volume:	26.96
Fract. Gradient:	.88
STIMULATION TREATMENT	C3 4240-44'
Fluid task:	7 1/2% FeHCl
Fluid volume:	500 gal
TREATING PRESSURE	
Maximum:	2880 psi @ 3 BPM
Average:	2650 psi @ 2.41 BPM
SI PRESSURE	
ISIP:	2666
5 min:	1814
10 min:	1370
15 min:	976
Additives:	same
Displ. Volume:	26.82
Fract. Gradient:	1.06

2/22/00 \$2,539.00

7 AM open well & RIH w/ 2 7/8" BHA & prod tbg. RD floor & ND BOP. Install well head flange. RU & swab C3, C5.2, C6.1, C9.2, D5, & E2. IFL @ 2660' & FFL@ 4200'. 21 runs made 127 bbls fluid recover. PH 5+ to 2-5+. Trace of grit oil cut @ approximately 5%. Secure well @ 5:30 PM.

RECEIVED

APR 26 2000

DIVISION OF
OIL, GAS AND MINING

WORKOVER REPORT

4/6/00

Petroglyph Operating Co., Inc.

Operator: Petroglyph Operating Company, Inc.

Elevation: KB 6065

Well: Ute Tribal 19-06

GL 6055

County, St.: Duchesne UT

Activity Date Daily Cost Activity Description

2/23/00 \$6,374.00

7 AM Open well & resume swab C3, C5.2, C6.1, C9.2, D5, & E2. IFL @ 3500 & FFL@ 3800, 5 runs & PH 5-6. Approx. 25 bbls recovered 152 accum rec. RD swab, ND well head flange. PU 93' 2 7/8" tbg check rat hole. EOT @ 5433' +/- POOH LD 93' 2 7/8" tbg. Set 5 1/2 B2 TAC w/ 5 1/2" turns w/ 10,000# tension. NU well head & production lines. Chang over to rods. Pumped H2S pellets w/ 30 bbls treated wtr. PU & prime pump. RIH w/ pump & rods. Re-torque 3/4" boxes & install guided 3/4" rods @ 3000-3150'. Seat pump & space out. Pumped T-229 w/ 20 bbls treated wtr & 22 bbls methanol w/ 78 bbls treated wtr. Stroke test pump to 500 psi, 6 strokes. Hang horse head & rods. Adjust tag. RD unit, pump & lines. Secure well @ 3:30 PM. 390 bbls to recover.

TUBING DETAIL

	LENGTH	DEPTH
KB	10.00	10.00
133 jts 2 7/8" tbg	4146.23	4156.23
5 1/2 B2 TAC	2.66	4158.89
37 jts 2 7/8" tbg	1153.30	5312.19
2 7/8" PSN +45	1.10	5313.29
2 7/8" perf sub	6.09	5319.38
1 jt 2 7/8" tbg	30.37	5349.75
notched collar	.50	5350.25
EOT		5350.25

ROD EQUIPMENT

1 1/2" x 22' PR w/ liner
2 each: 2' & 4' x 7/8" pony rods
8' x 7/8" pony rods
71 slick 7/8" rods
124 slick 3/4" rods
16 guided 3/4" 12 every 4th from pump
4 @ 3000-3150' every other rod
Trico pump #693 2 1/2" x 1 1/2" x 16' spray metal
w/ 3 cup top (old SN # 2102)

Cumulative Cost: \$39,726.00

Days Since Start:

Field Est
only

RECEIVED

APR 26 2000

DIVISION OF
OIL, GAS AND MINING

3/31/00 UTE TRIBAL 19-06	ROCKY MOUNTAIN ANCHOR	10.867.030	345	GENERIC WORKOVER EXPENSE MISC WORKOVER EXP (WOE - LOCATION & ROADS	41853
2/29/00 UTE TRIBAL 19-06	JIM NEBEKER TRUCKING	10.867.040	222.25	GENERIC WORKOVER EXPENSE MISC WORKOVER EXP (WOE - HOT OIL TREATMENT	
2/29/00 UTE TRIBAL 19-06		10.867.040	72	MISC WORKOVER EXP 1.5 HR 35 BW HAULED TO RIG AT 1 WOE - HOT OIL TREATMENT	
2/29/00 UTE TRIBAL 19-06		10.867.060	539.75	MISC WORKOVER EXP 240 BW TO DISPOSAL WOE - SALTWATER DISPOSAL	41853
2/29/00 UTE TRIBAL 19-06	SHINER WELDING & OILFIELD,	10.867.065	132	GENERIC WORKOVER EXPENSE MISC WORKOVER EXP (WOE - TUBING & RODS	
2/29/00 UTE TRIBAL 19-06	C&J CONTRACT PUMPING	10.867.140	776	GENERIC WORKOVER EXPENSE MISC WORKOVER EXP (WOE - SUPERVISION	
2/29/00 UTE TRIBAL 19-06	C&J CONTRACT PUMPING	10.867.140	1,169.50	GENERIC WORKOVER EXPENSE MISC WORKOVER EXP (WOE - SUPERVISION	
2/29/00 UTE TRIBAL 19-06		10.867.190	1,027.00	MISC WORKOVER EXP WO - OVERHEAD 5 DAYS WOE - OVERHEAD	41853
3/31/00 UTE TRIBAL 19-06	WEATHERFORD	10.867.230	572.94	GENERIC WORKOVER EXPENSE MISC WORKOVER EXP (WOE - EQUIPMENT RENTAL	41853
3/31/00 UTE TRIBAL 19-06	HALLIBURTON SERVICES	10.867.230	449	GENERIC WORKOVER EXPENSE MISC WORKOVER EXP (WOE - EQUIPMENT RENTAL	41853
2/29/00 UTE TRIBAL 19-06	HALLIBURTON SERVICES	10.867.255	449	GENERIC WORKOVER EXPENSE MISC WORKOVER EXP (WOE - PACKER, DOWNHOLE TO	
2/29/00 UTE TRIBAL 19-06		10.867.320	7,120.54	MISC WORKOVER EXP RIG 43 HR. 4 DAYS, REMOVE GAS / WOE - WORKOVER RIG	41853
2/29/00 UTE TRIBAL 19-06	JIM NEBEKER TRUCKING	10.867.330	95.25	GENERIC WORKOVER EXPENSE MISC WORKOVER EXP (WOE - WATER & WATER HAULI	
2/29/00 UTE TRIBAL 19-06	JIM NEBEKER TRUCKING	10.867.360	508	GENERIC WORKOVER EXPENSE MISC WORKOVER EXP (WOE - TRANSPORTATION	
2/29/00 UTE TRIBAL 19-06	N.J. TRUCKING	10.867.360	216	GENERIC WORKOVER EXPENSE MISC WORKOVER EXP (WOE - TRANSPORTATION	
2/29/00 UTE TRIBAL 19-06		10.867.370	2,354.00	MISC WORKOVER EXP PERFERATING WOE - PERFORATING	41853
2/29/00 UTE TRIBAL 19-06	CHAMPION TECHNOLOGIES	10.867.385	1,574.77	GENERIC WORKOVER EXPENSE MISC WORKOVER EXP (WOE - CHEMICAL & TREATING	
2/29/00 UTE TRIBAL 19-06		10.867.385	705.6	MISC WORKOVER EXP METHANOL 840 GLNS FOR THE RIG WOE - CHEMICAL & TREATING	
2/29/00 UTE TRIBAL 19-06		10.867.385	2,375.00	MISC WORKOVER EXP XYLENE 950 GALLONS WOE - CHEMICAL & TREATING	
2/29/00 UTE TRIBAL 19-06		10.867.385	2,165.69	MISC WORKOVER EXP TECHNI-HIB 5116 55 GL DR WOE - CHEMICAL & TREATING	
2/29/00 UTE TRIBAL 19-06	HALLIBURTON SERVICES	10.867.385	19,069.19	GENERIC WORKOVER EXPENSE MISC WORKOVER EXP (WOE - CHEMICAL & TREATING	41853
3/31/00 UTE TRIBAL 19-06		10.867.385	0	GENERIC WORKOVER EXPENSE MISC WORKOVER EXP (WOE - CHEMICAL & TREATING	
3/31/00 UTE TRIBAL 19-06	GREAT WESTERN CHEMICAL (10.867.385	2,525.81	GENERIC WORKOVER EXPENSE MISC WORKOVER EXP (WOE - CHEMICAL & TREATING	41853
2/29/00 UTE TRIBAL 19-06	WEATHERFORD	10.800.245	1,400.21	NEW PUMP LOE - DOWNHOLE REPAIRS	
2/29/00 UTE TRIBAL 19-06	WEATHERFORD	10.800.245	150.61	ROD COUPLINGS LOE - DOWNHOLE REPAIRS	

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